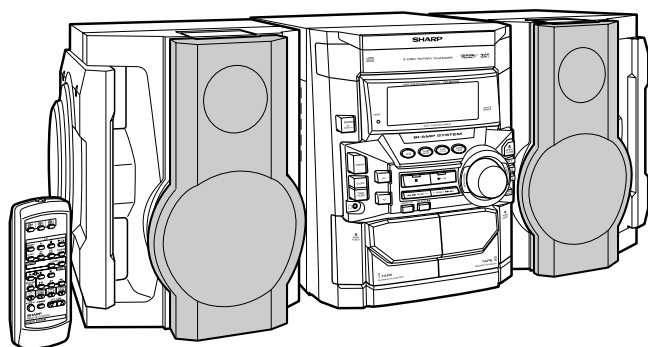


SHARP SERVICE MANUAL

No. S1104CDBA300/



COMPACT
disc
DIGITAL AUDIO

CD-R/RW
Playable 

3000
DISC

MINI COMPONENT SYSTEM

MODEL CD-BA300

CD-BA300 Mini Component System consisting of
CD-BA300 (main unit), CP-BA300 (speaker system).

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

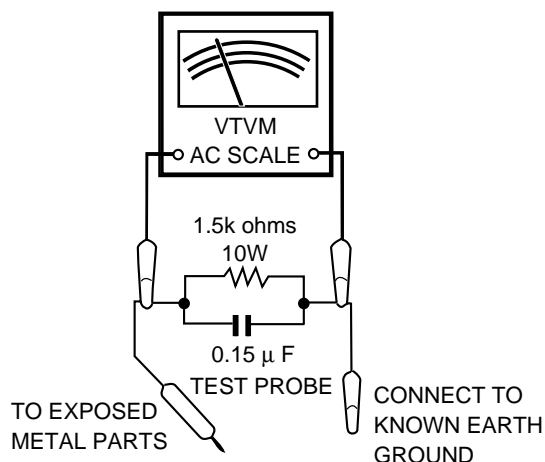
IMPORTANT SERVICE NOTES (FOR U.S.A. ONLY)

BEFORE RETURNING THE AUDIO PRODUCT

(Fire & Shock Hazard)

Before returning the audio product to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the audio product.
2. Inspect all protective devices such as insulating materials, cabinet, terminal board, adjustment and compartment covers or shields, mechanical insulators etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - * Plug the AC line cord directly into a 120 volt AC outlet.
 - * Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as conduit or electrical ground connected to earth ground.
 - * Use a VTVM or VOM with 1000 ohm per volt, or higher, sensitivity to measure the AC voltage drop across the resistor (See diagram).
 - * Connect the resistor connection to all exposed metal parts having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.



All check must be repeated with the AC line cord plug connection reversed.

Any reading of 0.3 volt RMS (this corresponds to 0.2 milliamp. AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the audio product to the owner.

SPECIFICATIONS

CD-BA300

General

Power source	AC 120 V, 60 Hz
Power consumption	210 W
Dimensions	Width: 10-11/16" (270 mm) Height: 13" (330 mm) Depth: 14-11/16" (372 mm)
Weight	19.2 lbs (8.7 kg)

Amplifier

Output power	125 watts minimum RMS per channel into 6 ohms from 60 Hz to 20 kHz, 10 % total harmonic distortion Subwoofer : 75 W/ch (60 Hz - 200 Hz, 6 ohms, 10 % T.H.D.) Main : 50 W/ch (200 Hz - 20 kHz, 6 ohms, 10 % T.H.D.)
Output terminals	Speakers: 6 ohms Headphones: 16-50 ohms (recommended; 32 ohms)
Input terminals	Video/Auxiliary (audio signal): 500 mV/47 kohms

CD player

Type	3-disc multi-play compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	1-bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

Tuner

Frequency range	FM: 87.5-108 MHz AM: 530-1,720 kHz
-----------------	---------------------------------------

Cassette deck

Frequency response	50-14,000 Hz (Normal tape)
Signal/noise ratio	55 dB (TAPE 1, playback) 50 dB (TAPE 2, recording/playback)
Wow and flutter	0.25 % (WRMS)

CP-BA300

Type	3-way type speaker system 2" (5 cm) Tweeter 5-1/4" (13 cm) Woofer 6-1/2" (16 cm) Subwoofer
Maximum input power (Total)	250 W
Rated input power (Total)	125 W
Impedance	6 ohms
Dimensions	Width: 11-5/16" (287 mm) Height: 13" (330 mm) Depth: 11-1/16" (281 mm)
Weight	11.1 lbs. (5.0 kg)/each

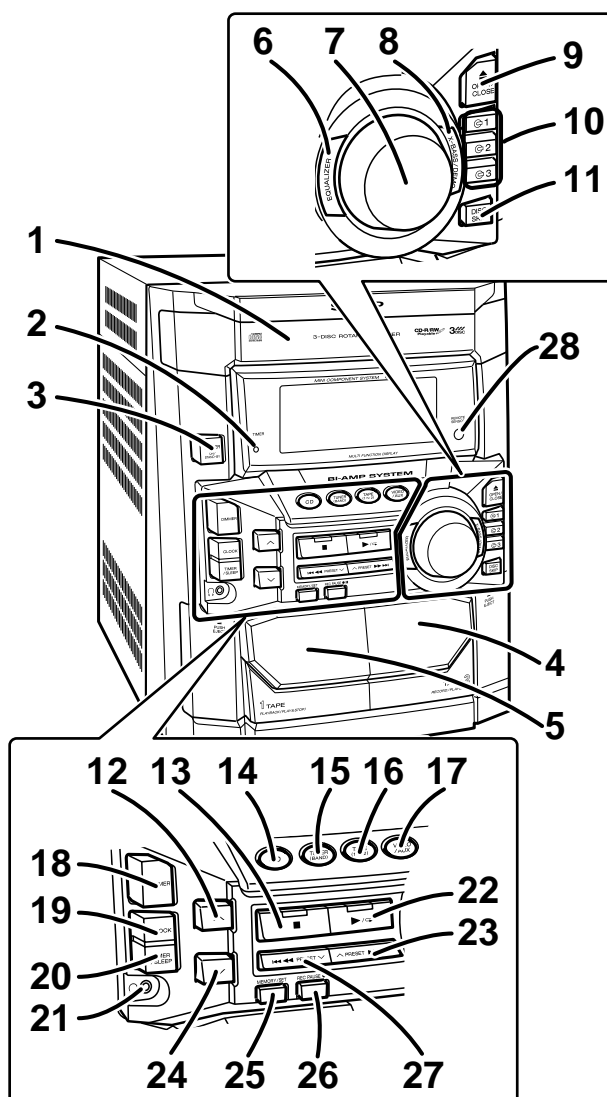
Specifications for this model are subject to change without prior notice.

NAMES OF PARTS

CD-BA300

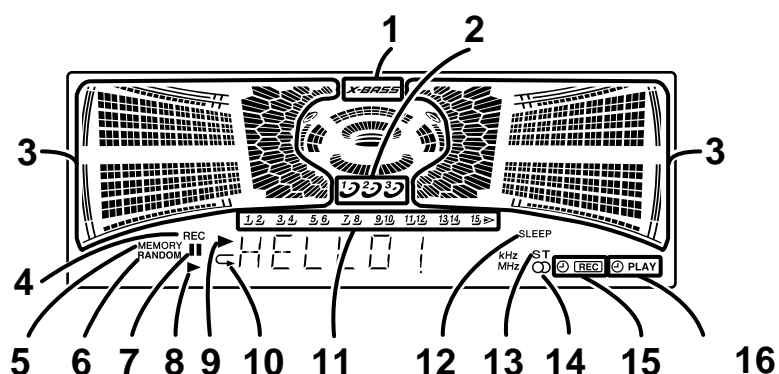
■ Front panel

1. Disc Tray
2. Timer Set Indicator
3. Power On/Stand-by Button
4. Tape 2 Cassette Compartment
5. Tape 1 Cassette Compartment
6. Equalizer Mode Select Button
7. Volume Control
8. Extra Bass/Demo Mode Button
9. Disc Tray Open/Close Button
10. Disc Number Select Buttons
11. Disc Skip Button
12. Tuning and Time Up Button
13. CD or Tape Stop Button (with Indicator)
14. CD Button
15. Tuner (Band) Button
16. Tape (1 ↔ 2) Button
17. Video/Auxiliary Button
18. Dimmer Button
19. Clock Button
20. Timer/Sleep Button
21. Headphone Jack
22. CD Play or Repeat, Tape Play Button (with Indicator)
23. CD Fast Forward, Tape 2 Fast Forward or Tuner Preset Up Button
24. Tuning and Time Down Button
25. Memory/Set Button
26. Tape 2 Record Pause Button
27. CD Fast Reverse, Tape 2 Rewind or Tuner Preset Down Button
28. Remote Sensor



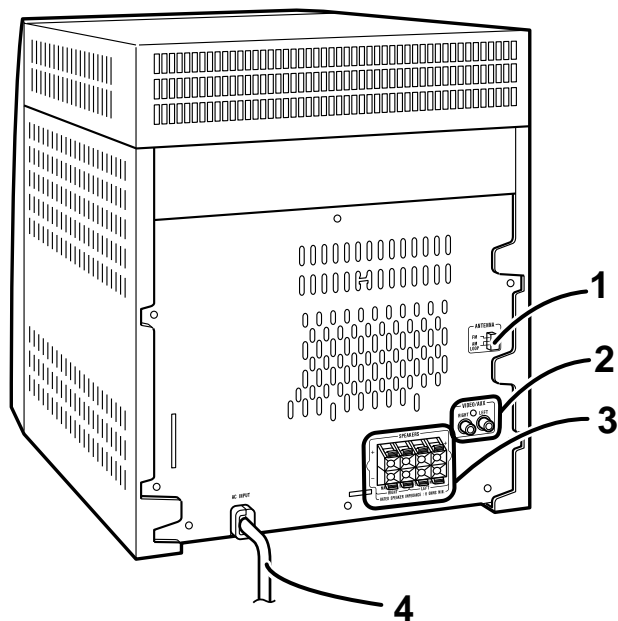
■ Display

1. Extra Bass Indicator
2. Disc Number Indicators
3. Spectrum Analyzer/Volume Level Indicator
4. Tape 2 Record Indicator
5. Memory Indicator
6. CD Random Play Indicator
7. CD Pause Indicator
8. Tape Play Indicator
9. CD Play Indicator
10. CD Repeat Indicator
11. CD Music Schedule Indicators
12. Sleep Indicator
13. FM Stereo Mode Indicator
14. FM Stereo Receiving Indicator
15. Timer Recording Indicator
16. Timer Play Indicator



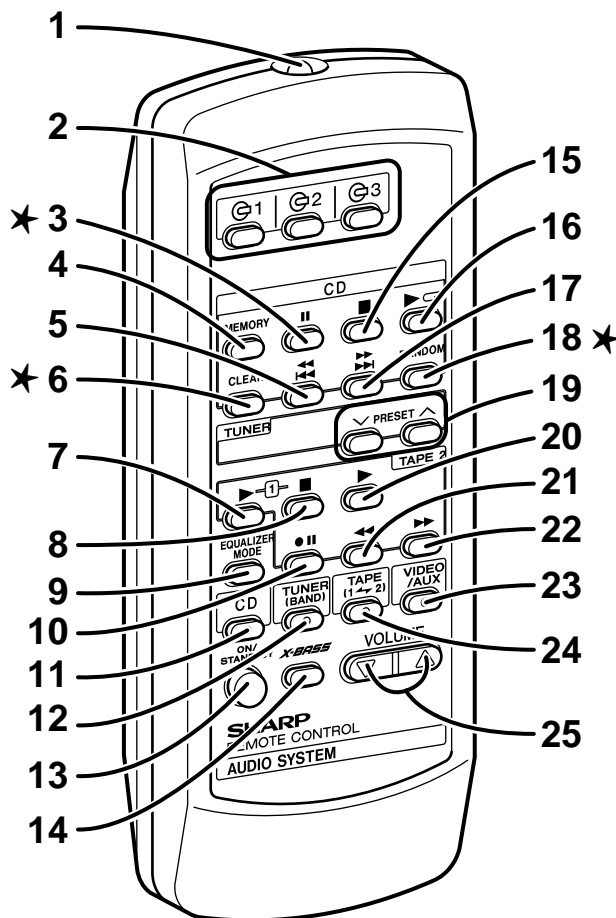
Rear panel

1. FM/AM Loop Antenna Jack
2. Video/Auxiliary (Audio Signal) Input Jacks
3. Speaker Terminals
4. AC Power Cord



Remote control

1. Remote Control Transmitter
2. Disc Number Select Buttons
3. **CD Pause Button**
4. CD Memory Button
5. CD Fast Reverse Button
6. **CD Clear Button**
7. Tape 1 Play Button
8. Tape 1/Tape 2 Stop Button
9. Equalizer Mode Select Button
10. Tape 2 Record Pause Button
11. CD Button
12. Tuner (Band) Button
13. Power On/Stand-by Button
14. Extra Bass Button
15. CD Stop Button
16. CD Play or Repeat Button
17. CD Fast Forward Button
18. **CD Random Button**
19. Tuner Preset Up/Down Buttons
20. Tape 2 Play Button
21. Tape 2 Rewind Button
22. Tape 2 Fast Forward Button
23. Video/Auxiliary Button
24. Tape (1→2) Button
25. Volume Up or Down Buttons

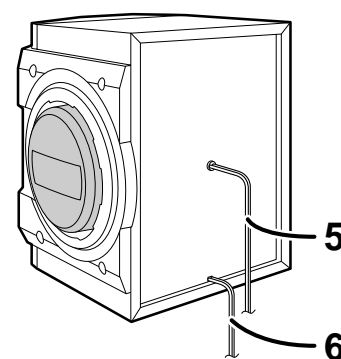
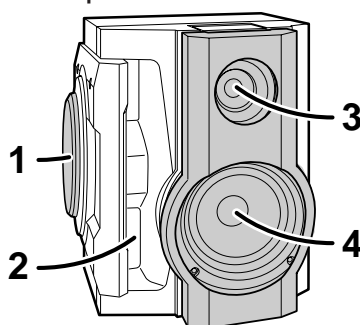


Buttons with "★" mark in the illustration can be operated with the remote control only.
Other buttons can be operated on the main unit and the remote control.

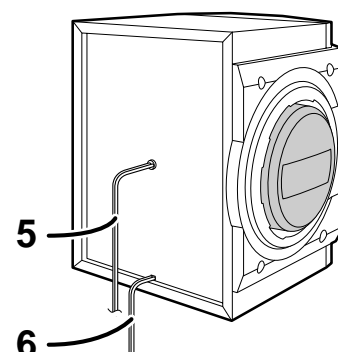
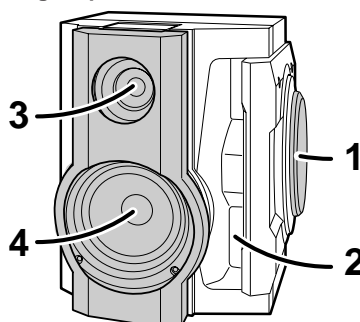
CP-BA300

1. Subwoofer
2. Bass Reflex Duct
3. Tweeter
4. Woofer
5. Speaker Wire for SUBWOOFER Terminals
6. Speaker Wire for MAIN Terminals

Left speaker

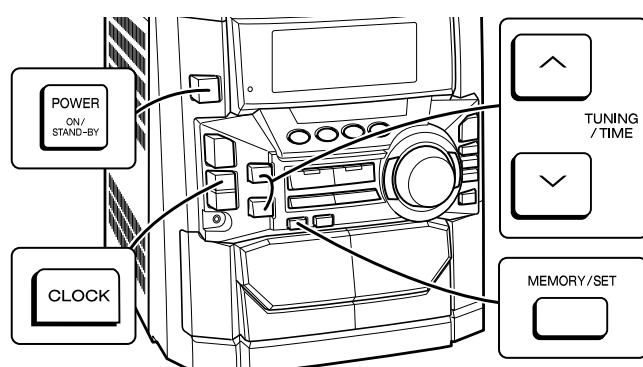


Right speaker



OPERATION MANUAL

Setting the Clock



In this example, the clock is set for the 12-hour (AM 12:00) display.

- 1 Press the ON/STAND-BY button to turn the power on.
- 2 Press the CLOCK button and within 5 seconds, press the MEMORY/SET button.



- 3 Press the TUNING/TIME (v or ^) button to select the 12-hour or 24-hour display and then press the MEMORY/SET button.



"AM 12:00" → The 12-hour display will appear. (AM 12:00 - PM 11:59)

"AM 0:00" → The 12-hour display will appear. (AM 0:00 - PM 11:59)

"0:00" → The 24-hour display will appear. (0:00 - 23:59)

Note that this can only be set when the unit is first installed or it has been reset

- 4 Press the TUNING/TIME (v or ^) button to adjust the hour and then press the MEMORY/SET button.



- Press the TUNING/TIME (v or ^) button once to advance the time by 1 hour. Hold it down to advance continuously.
- When the 12-hour display is selected, "AM" will change automatically to "PM".

- 5 Press the TUNING/TIME (v or ^) button to adjust the minutes and then press the MEMORY/SET button.



- Press the TUNING/TIME (v or ^) button once to advance the time by 1 minute. Hold it down to change the time in 5-minute intervals.
- The hour will not advance even if minutes advance from "59" to "00".
- The clock begins counting from "0" seconds. (Seconds are not displayed.) The time display will disappear after a few seconds.

To confirm the time display:

Press the CLOCK button.
The time display will appear for about 5 seconds.



Note:

The "CLOCK" or time will flash at the push of the CLOCK button when the AC power supply is restored after a power failure or after unplugging the unit.
Readjust the clock as follows.

To readjust the clock:

Perform "Setting the Clock" from the beginning.
If the time display is flashing, step 3 (for selecting the 12-hour or 24-hour display) will be skipped.

To change the 12-hour or 24-hour display:

1. Clear all the programmed contents.
[Refer to step 3 under "If trouble occurs".]
2. Perform "Setting the Clock" from the beginning.

Troubleshooting Chart

Many potential "problems" can be resolved by the owner without calling a service technician. If something is wrong with this product, check the following before calling your authorized SHARP dealer or service center.

General

Symptom	Possible cause
● The clock is not on time.	● Did a power failure occur? Reset the clock.
● When a button is pressed, the unit does not respond.	● Set this unit to the power stand-by mode and then turn it back on. ● If the unit still malfunctions, reset it.
● No sound is heard.	● Is the volume level set to "0"? ● Are the headphones connected? ● Are the speaker wires disconnected?

CD player

Symptom	Possible cause
● Playback does not start.	● Is the disc loaded upside-down?
● Playback stops in the middle or is not performed properly.	● Does the disc satisfy the standards? ● Is the disc distorted or scratched?
● Playback sounds are skipped, or stopped in the middle of a track.	● Is the unit located near excessive vibrations? ● Is the disc very dirty? ● Has condensation formed inside the unit?

Tuner

Symptom	Possible cause
● Radio makes unusual noise consecutively.	● Is the unit placed near the TV or computer? ● Is the FM/AM loop antenna placed properly? Move the AC power cord away from the antenna if located near.

Cassette deck

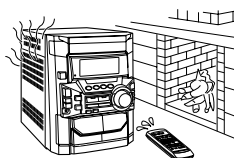
Symptom	Possible cause
● Cannot record.	● Is the erase-protection tab removed?
● Cannot record tracks with proper sound quality.	● Is it a normal tape? (You cannot record on a metal or CrO ₂ tape.)
● Cannot erase completely.	
● Sound skipping.	● Is there any slack? ● Is the tape stretched?
● Cannot hear treble.	● Are the capstans, pinch rollers, or heads dirty?
● Sound fluctuation.	
● Cannot remove the tape.	● If a power failure occurs during playback, the heads remain engaged with the tape. Do not open the compartment forcibly. Wait until electricity resumes.

Remote control

Symptom	Possible cause
● The remote control does not operate.	● Is the AC power cord of the unit plugged in? ● Is the battery polarity respected? ● Are the batteries dead? ● Is the distance or angle incorrect? ● Does the remote control sensor receive strong light?

Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, tape heads, etc.) or on the transmitter on the remote control. Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc (or cassette) in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.



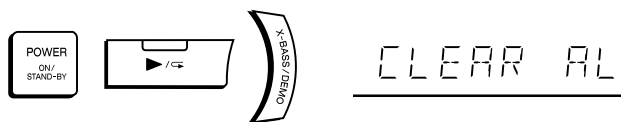
Troubleshooting Chart (continued)

If trouble occurs

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

If such a problem occurs, do the following:

1. Set the unit to the stand-by mode and turn the power on again.
2. If the unit is not restored in step 1, unplug and plug in the unit, and then turn the power on.
3. If neither step 1 nor 2 does not restore the unit, do the following:
 - ① Press the ON/STAND-BY button to enter the power stand-by mode.
 - ② While pressing down the ►/◄ button and X-BASS/DEMO button, press the ON/STAND-BY button until "CLEAR AL" appears.



Caution:

This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD program.

Before transporting the unit

1. Press the ON/STAND-BY button to turn the power on.
2. Press the CD button.
3. Press the ▲ OPEN/CLOSE button to open the disc tray.
Remove all CDs inserted the unit.
4. Press the ▲ OPEN/CLOSE button to close the disc tray.
Make sure that "NO DISC" is displayed.
5. Press the ON/STAND-BY button to enter the stand-by mode, and then unplug the AC power cord from the AC outlet.



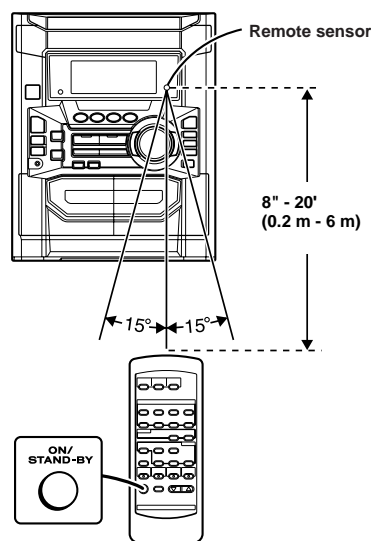
Remote Control

Test of the remote control

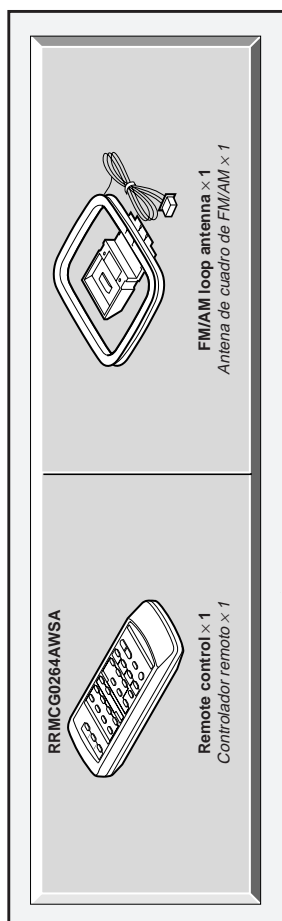
Face the remote control directly to the remote sensor on the unit.

The remote control can be used within the range shown below:

Press the ON/STAND-BY button. Does the power turn on? Now, you can enjoy the music.



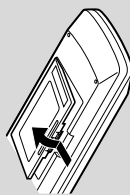
1 Accessories Accesorios



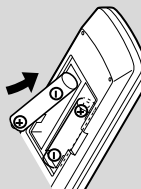
2 Battery Installation of the Remote Control Instalación de las pilas del controlador remoto

Use 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar).
Use dos pilas del tamaño "AA" (UM/SUM-3, R6, HP-7 o equivalentes).

1 Remove the battery cover. Extraiga la cubierta de las pilas.

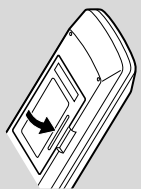


2 Insert the batteries as shown. Inserte las pilas como se muestra.

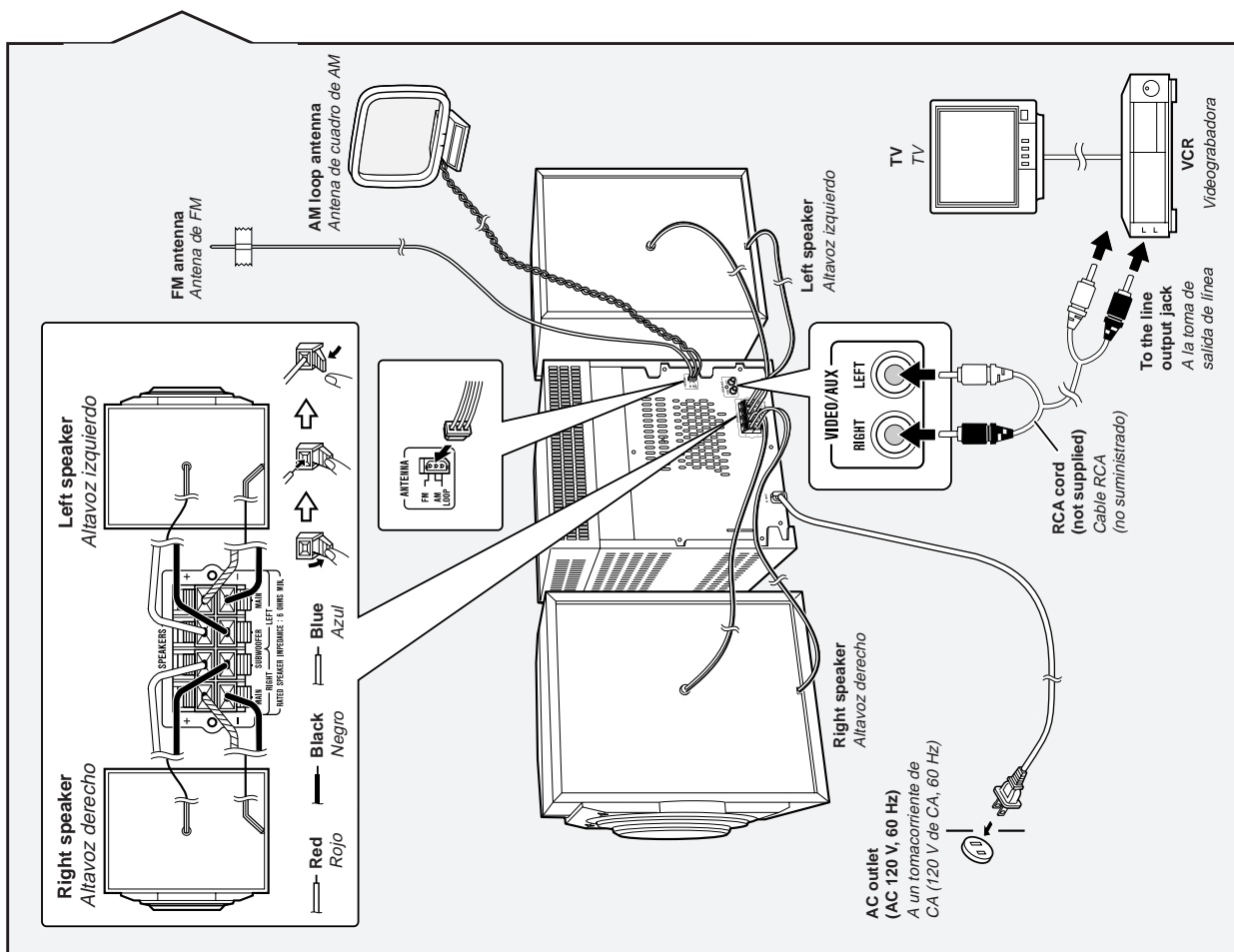


Batteries are not included.
Las pilas no están incluidas.

3 Replace the cover. Vuelva a colocar la cubierta.



3 System Connections Conexiones del sistema

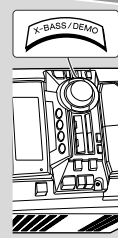


4 Turning on Your System Conexión de la alimentación de su sistema

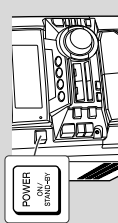
The first time the unit is plugged, the unit will enter the demonstration mode. You will see words scroll.

Quando se enchufe por primera vez el aparato, se establecerá en el modo de demostración. Verá un desplazamiento de palabras.

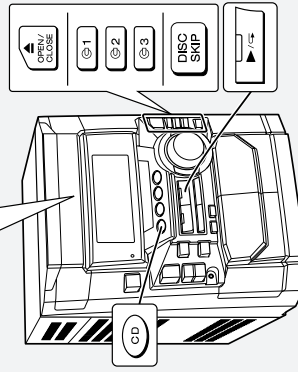
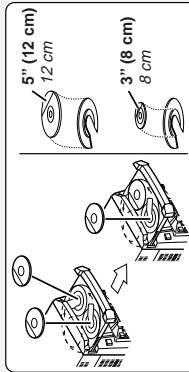
1 Press the **X-BASS/DEMO** button to cancel the demonstration mode.
Pulse el botón **X-BASS/DEMO** para cancelar el modo de demostración.



2 Press the **ON/STAND-BY** button to turn the power on.
Pulse el botón **ON/STAND-BY** para conectar la alimentación.



Listening to a CD (CDs) Audición de un disco CD (discos CD)



1 Press the **CD** button.
Pulse el botón **CD**.

2 Press the **OPEN/CLOSE** button to open the disc tray.
Pulse el botón **OPEN/CLOSE** para abrir la bandeja de discos.

3 Place the **CD(s)** on the disc tray, label side up.
When loading a third disc, press the **DISC SKIP** button to turn the disc tray, then place the CD in the open position.
Coloque el disco compacto en la bandeja de discos, con el lado de la etiqueta hacia arriba.

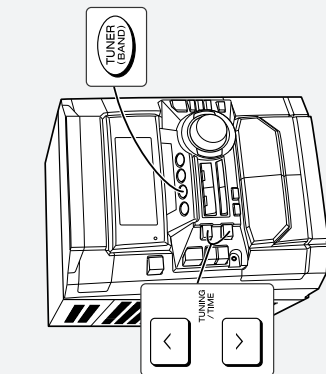
Quando ponga un tercer disco, pulse el botón **DISC SKIP** para girar la bandeja de discos, y coloque el disco compacto en la posición abierta.

4 Press the **OPEN/CLOSE** button to close the disc tray.
Pulse el botón **OPEN/CLOSE** para cerrar la bandeja de discos.

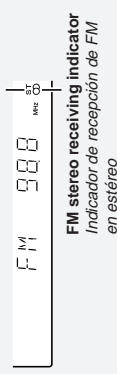
5 To select the CD you want to listen to first, press one of ① - ③ buttons.
Para seleccionar el disco CD que desee escuchar primero, pulse uno de los botones ① - ③.

6 Press the **▶/◀** button to start playback.
Pulse el botón **▶/◀** para iniciar la reproducción.

Listening to the Radio Audición de la radio



FM stereo mode indicator
Indicador del modo de FM en estéreo



1 Press the **TUNER (BAND)** button repeatedly to select the desired frequency band (FM or AM).
Pulse repetidamente el botón **TUNER (BAND)** para seleccionar la banda de frecuencia deseada (FM o AM).

2 Press the **TUNING/TIME** (< or >) button to tune in to the desired station.
When the **TUNING/TIME** (< or >) button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.
Pulse el botón **TUNING/TIME** (< or >) para sintonizar la emisora deseada.
Cuando se pulse el botón **TUNING/TIME** (< or >) durante más de 0.5 segundos, la exploración se iniciará automáticamente y el sintonizador se parará en la primera emisora difusora que pueda recibirse.

To receive an FM stereo transmission:
Press the **TUNER (BAND)** button so that the "ST" indicator lights up.
● "CD" will appear when an FM broadcast is in stereo.

Para recibir la transmisión de FM en estéreo:
Pulse el botón **TUNER (BAND)** para que se encienda el indicador "ST".
● "CD" aparecerá cuando una difusión de FM sea en estéreo.

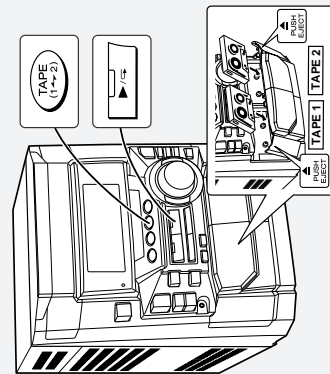
Listening to a Cassette Tape (TAPE 1 or TAPE 2) Audición de una cinta de cassette (TAPE 1 o TAPE 2)

1 Open the cassette door by pushing the area marked "▲ PUSH EJECT".
Abra la puerta del cassette pulsando la parte marcada "▲ PUSH EJECT".

2 Load the cassette into the **TAPE 1** or **TAPE 2** cassette compartment with the side to be played facing toward you.
Cargue el cassette en el compartimento de cassette de **TAPE 1** o de **TAPE 2** con la cara a reproducirse encarada hacia usted.

3 Press the **TAPE** (1 ~ 2) button to select the cassette you want to listen to.
Pulse el botón **TAPE** (1 ~ 2) para seleccionar el cassette que desee escuchar.

4 Press the **▶/◀** button to start playback.
Pulse el botón **▶/◀** para iniciar la reproducción.



DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

CD-BA300

STEP	REMOVAL	PROCEDURE	FIGURE
1	Top Cabinet	1. Screw (A1) x4	9-1
2	Side Panel (Left/Right)	1. Screw (B1) x8	9-1
3	CD Player Unit/ CD Tray Cover	1. Turn on the power supply, open the disc tray, take out the CD tray cover, and close. (Note 1) 2. Screw (C1) x1 3. Hook (C2) x3 4. Hook (C3) x2 5. Socket (C4) x2	9-2
4	Rear Panel with Fan Motor	1. Screw (D1) x8 2. Socket (D2) x1	9-2
5	Main PWB	1. Screw (E1) x1 2. Socket (E2) x4 3. Flat Cable (E3) x1	9-2 10-2
6	AMP. PWB	1. Screw (F1) x5 2. Socket (F2) x1 3. PWB Holder (F3) x3	10-3
7	Front Panel	1. Screw (G1) x1	10-3
8	Display PWB	1. Knob (H1) x1 2. Screw (H2) x12 3. Flat Cable (H3) x1	10-4
9	Tape Mechanism	1. Open the cassette holder. 2. Screw (J1) x5	10-4
10	Headphones PWB	1. Screw (K1) x1	10-4
11	Turntable	1. Hook (L1) x2 2. Cover (L2) x1	10-5
12	Disc Tray	1. Turn fully the lock lever in the arrow direction. 2. While holding the lock lever, rotate the cam gear until the cam gear rib engages with the clamp lever. 3. Push the slide holder backward to engage the claw with the groove and remove it in the direction of the arrow. (M1) x6	9-3 10-1 10-6
13	CD Servo PWB (Note 2)	1. Screw (N1) x1 2. Hook (N2) x2 3. Socket (N3) x4	11-1
14	CD Mechanism	1. Hook (P1) x2 2. Hook (P2) x3	11-2
15	Loading Motor PWB	1. Hook (Q1) x5	11-2

Note 1: How to open the changer manually. (Fig. 9-3)

1. In this state, turn fully the lock lever in the arrow direction through the hole on the loading chassis bottom.
2. While holding the lock lever, rotate the cam gear anticlockwise until the cam gear rib engages with the clamp lever. (Fig. 10-1)
3. After that, push forward the CD slide holder.

CD-BA300

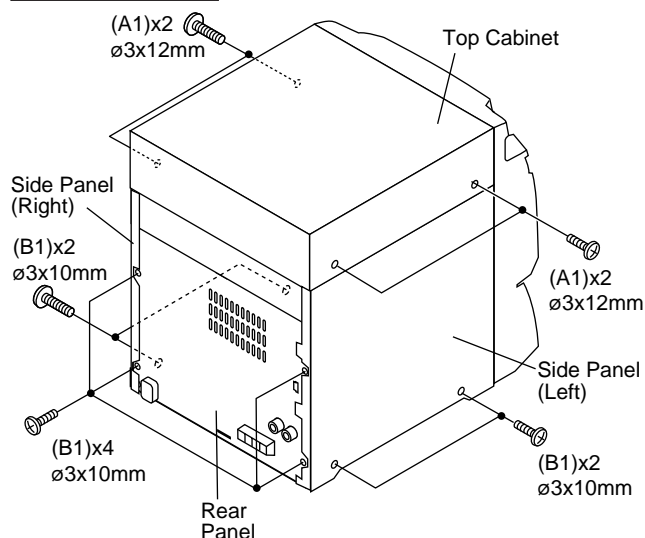


Figure 9-1

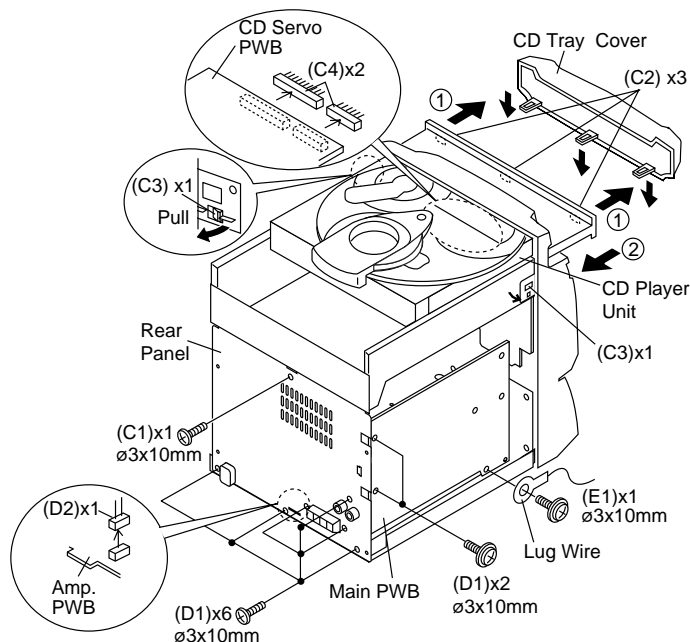


Figure 9-2

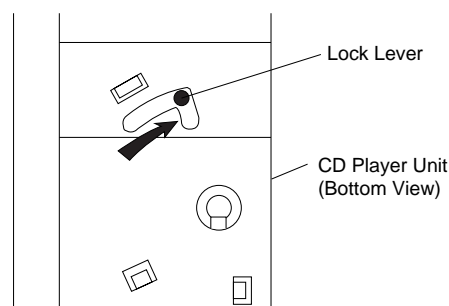


Figure 9-3

Note 2:

1. After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electrostatic damage.

Note 3:

1. Be careful not to break the claw of the CD mechanism.
2. When fining back the cam gear assembly, let it lock by front movement.

CD-BA300

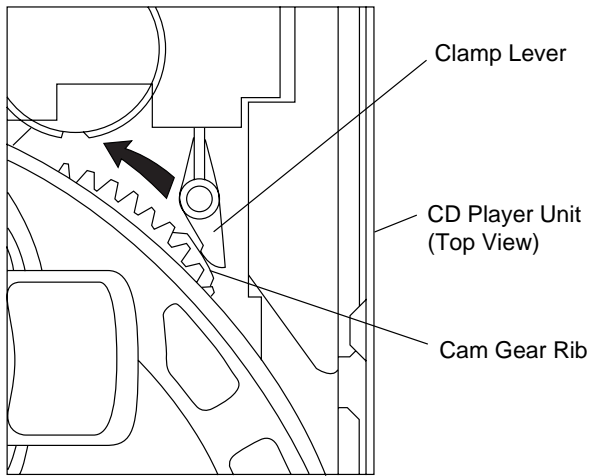


Figure 10-1

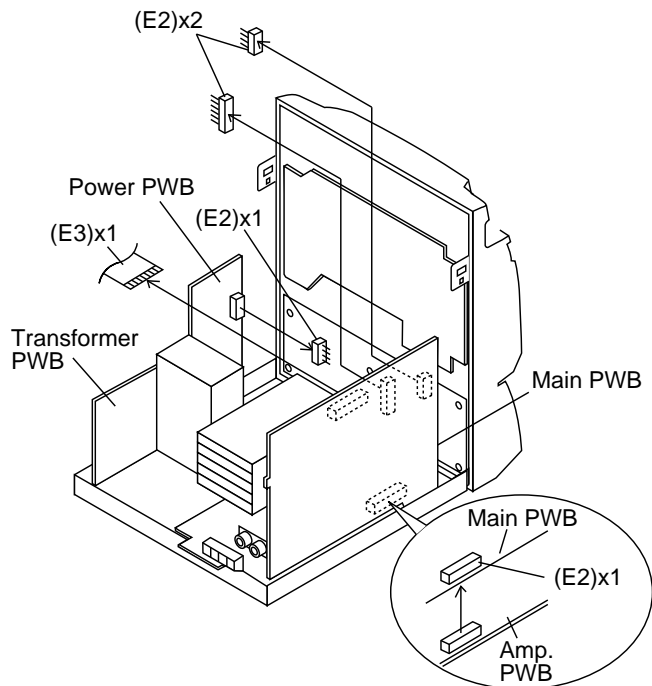


Figure 10-2

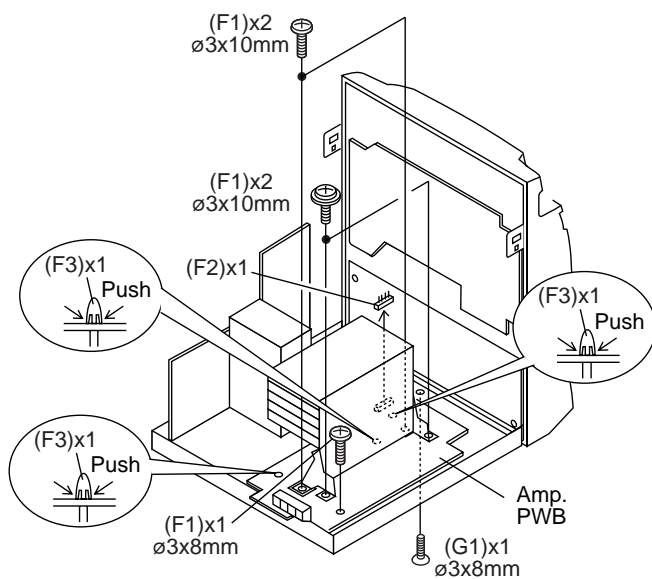


Figure 10-3

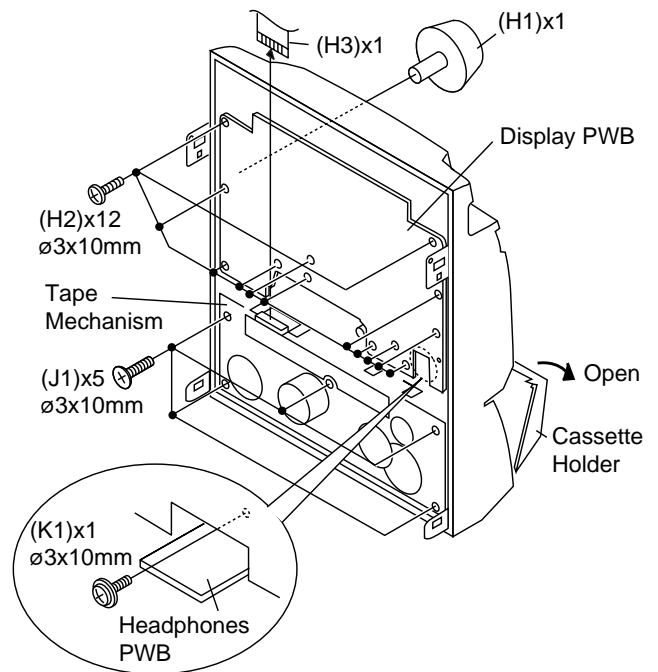


Figure 10-4

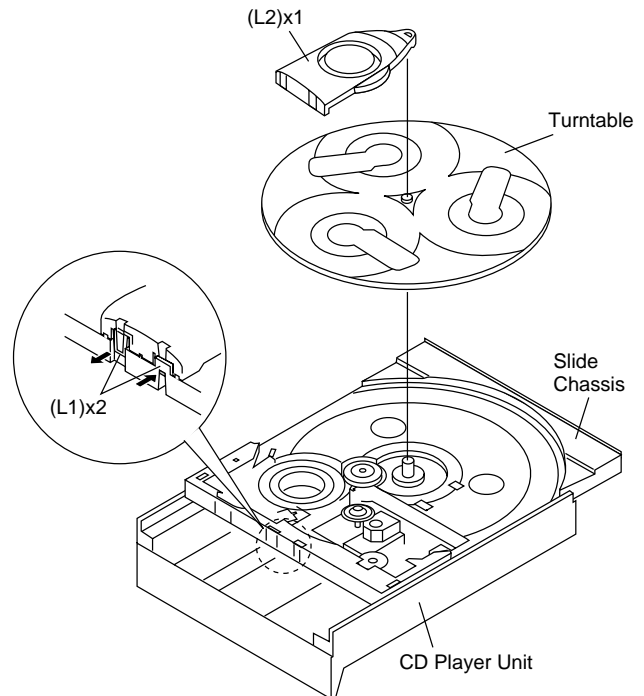


Figure 10-5

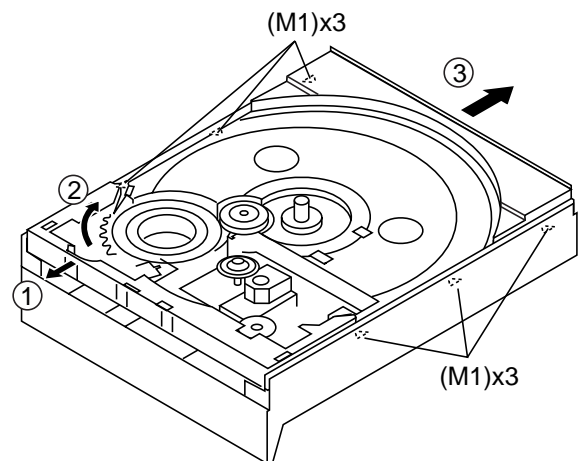


Figure 10-6

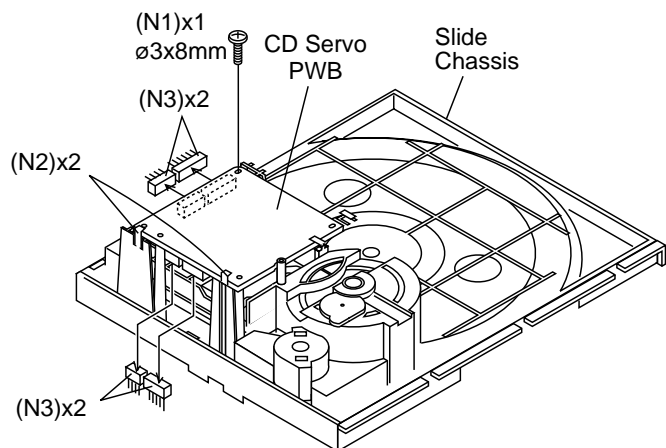


Figure 11-1

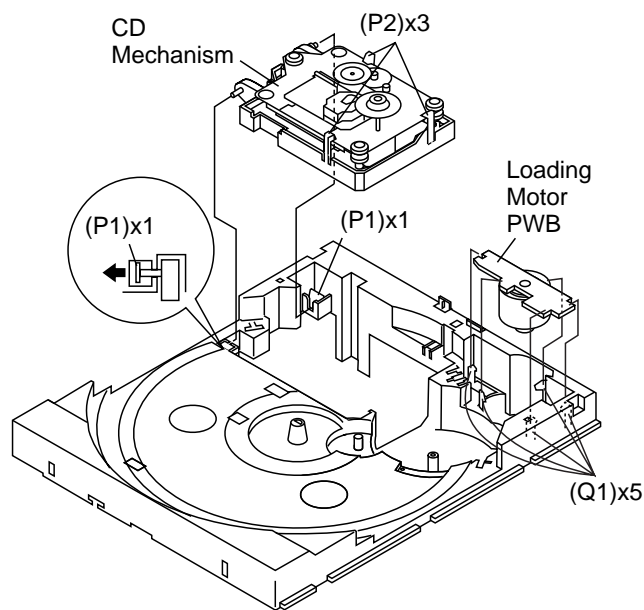


Figure 11-2

CP-BA300			
STEP	REMOVAL	PROCEDURE	FIGURE
1	Side Panel/ Front Panel	1. Screw (A1) x4 2. Net (A2) x1 3. Caching Holder (A3) x4 4. Screw (A4) x4	11-3
2	Subwoofer	1. Screw (B1) x4	11-4
3	Woofer	1. Screw (C1) x4	11-4
4	Tweeter	1. Screw (D1) x2	11-4

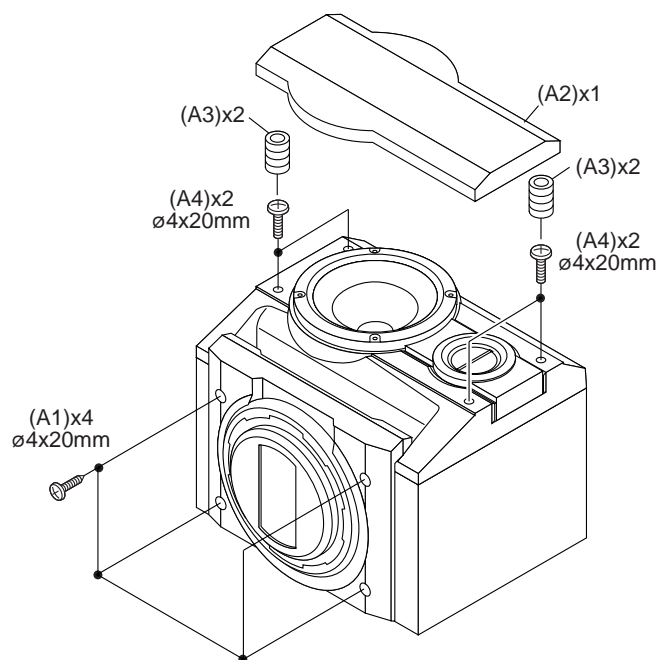


Figure 11-3

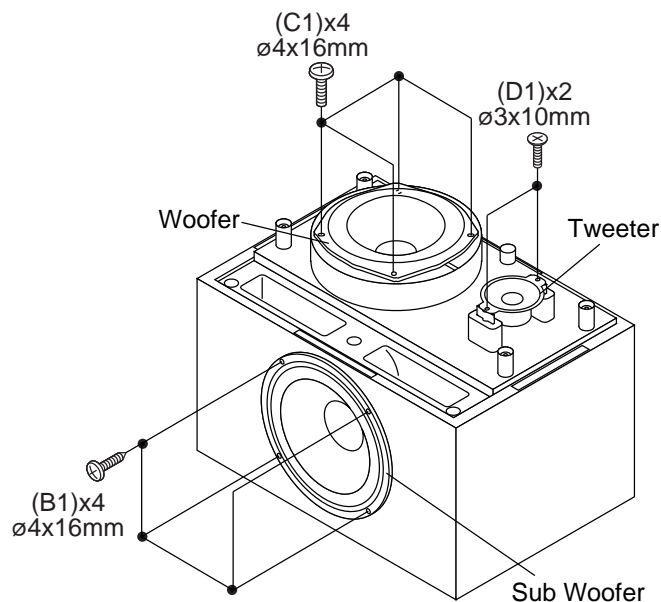


Figure 11-4

REMOVING AND REINSTALLING THE MAIN PARTS

TAPE MECHANISM SECTION

Perform steps 1 to 7 and 9 of the disassembly method to remove the tape mechanism.

How to remove the record/playback and erase heads (TAPE 2) (See Fig. 12-1)

1. When you remove the screw (A1) x 2 pcs., the recording/playback head and three-dimensional head of the erasing head can be removed.

How to remove the playback head (TAPE 1) (See Fig. 12-2)

1. When you remove the screw (B1) x 2 pcs., the playback head can be removed.

How to remove the pinch roller (TAPE 1/2) (See Fig. 12-3)

1. Carefully bend the pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (C1) x 1 pc., in the direction of the arrow .

Note:

When installing the pinch roller, pay attention to the spring mounting position.

How to remove the belt (TAPE 2) (See Fig. 12-4)

1. Remove the main belt (D1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (D2) x 1 pc.

How to remove the belt (TAPE 1) (See Fig. 12-4)

1. Remove the main belt (E1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (E2) x 1 pc.

How to remove the motor (See Fig. 12-5)

1. Remove the screws (F1) x 2 pcs., to remove the motor.

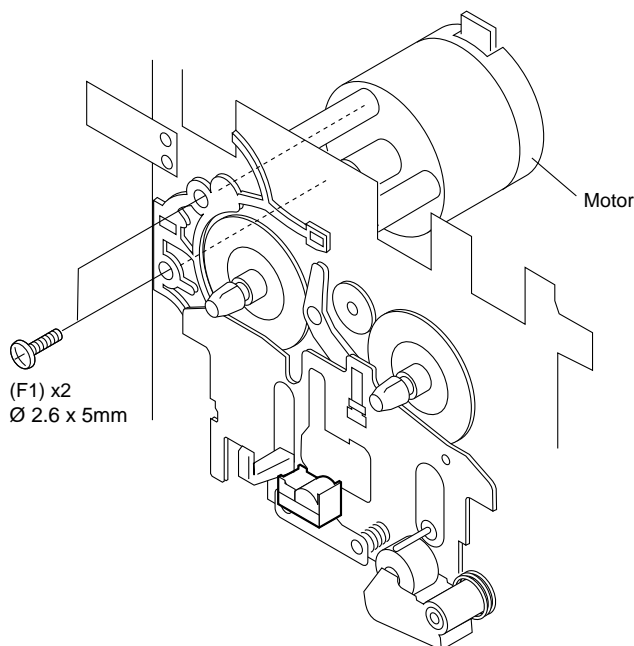


Figure 12-5

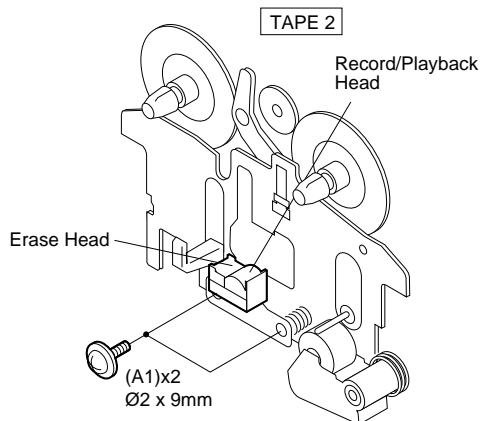


Figure 12-1

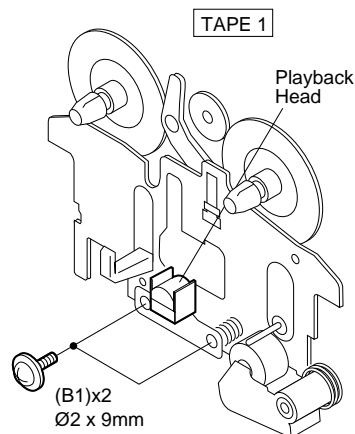


Figure 12-2

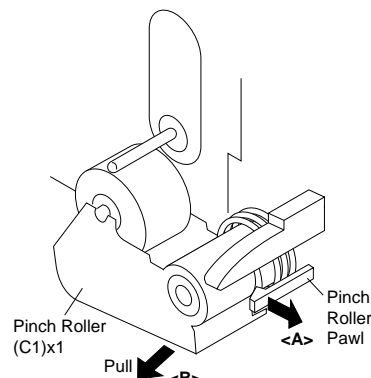


Figure 12-3

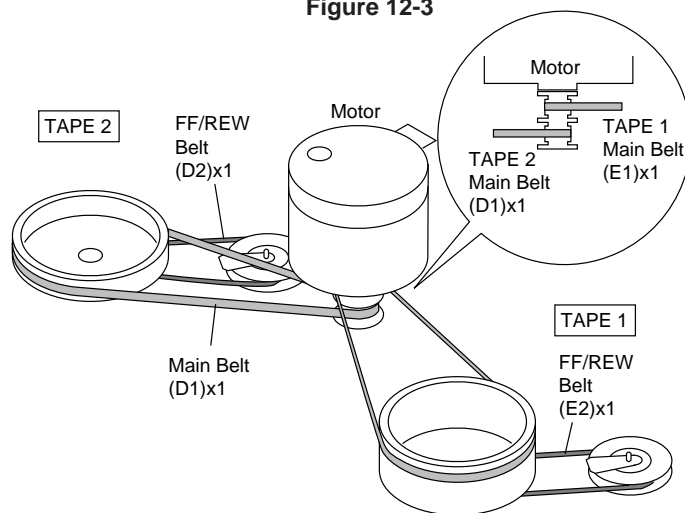


Figure 12-4

CD MECHANISM SECTION

Perform steps 1, 2, 3, 11,12,13 and 14 of the disassembly method to remove the CD mechanism.

How to remove the loading motor

(See Fig. 13-1)

1. Bend the hooks (A1) x 5 pcs., to remove the loading motor.
2. Remove the drive belt (A2) x 1pc.

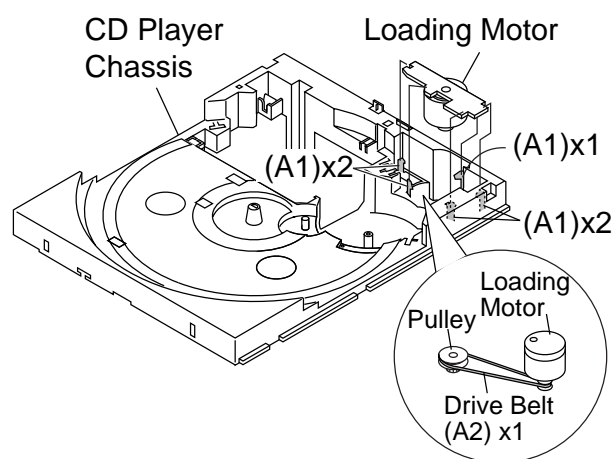


Figure 13-1

How to remove the pickup (See Fig. 13-2)

1. Remove the stop washer (B1) x 1 pc., to remove the gear (B2).
2. Remove the screws (B3) x 2 pcs., to remove the shaft (B4).
3. Remove the pickup.

Note

After removing the connector for the optical pickup from the connector wrap the conductive aluminium foil around the front end of connector so as to protect the optical pickup from electrostatic damage.

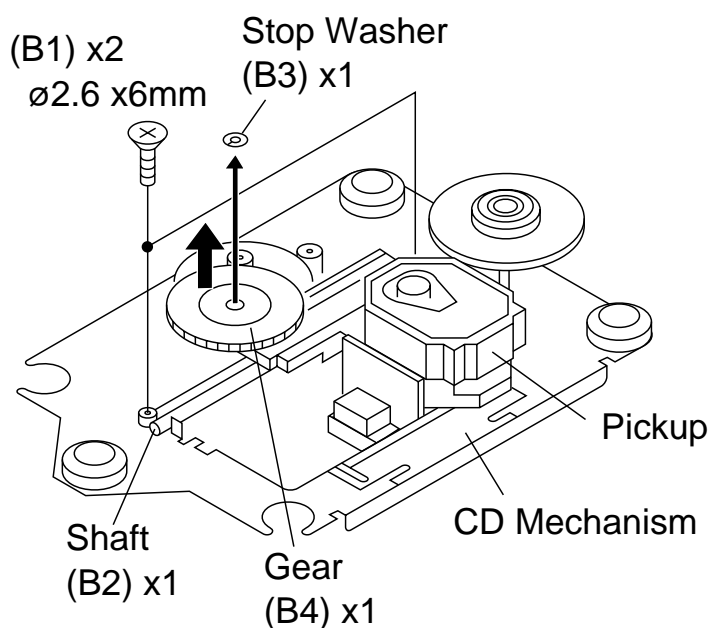


Figure 13-2

ADJUSTMENT

MECHANISM SECTION

• Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Tape 1: Over 80 g Tape 2: Over 80 g

• Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 80 g.cm	30 to 80 g.cm
Fast forward: TW-2231	—	70 to 180 g.cm
Rewind: TW-2231	—	70 to 180 g.cm

• Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable Resistor in motor.	3,000 ± 30 Hz	Speaker terminal (Load resistance: 6 ohms)

TAPE MECHANISM

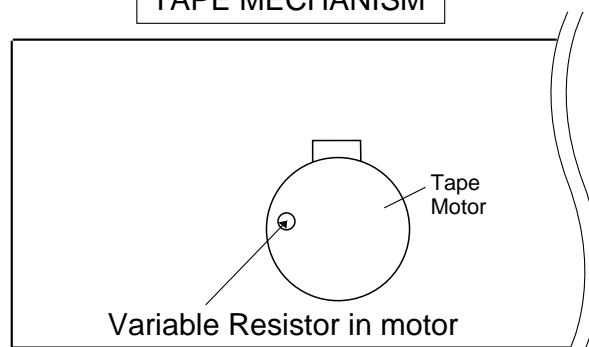


Figure 13-3

CD-BA300

TUNER SECTION

fL: Low-range frequency

fH: High-range frequency

• AM IF/RF

Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,720 kHz	T351	*1
AM Band Coverage	—	530 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T303	*1

*1. Input: Antenna

Output: TP302

*2. Input: Antenna

Output: TP301

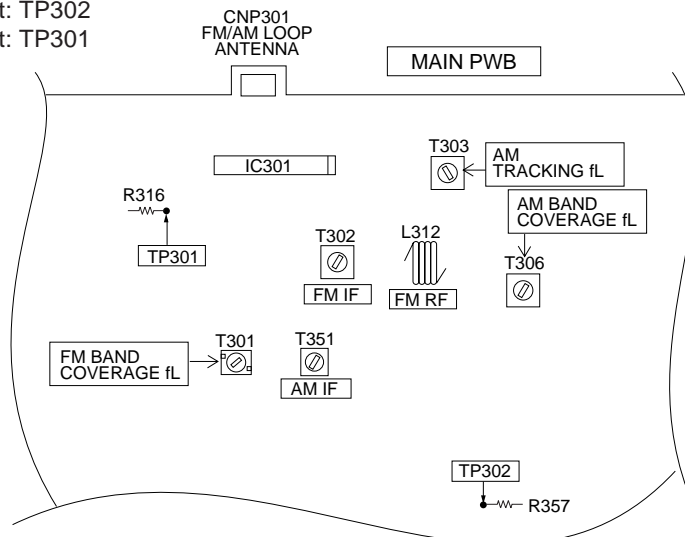


Figure 14-1 ADJUSTMENT POINTS

• FM RF

Signal generator: 1 kHz, 75 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Point	Instrument Connection
FM Band Coverage	—	87.50 MHz	T301(fL): 1.3 V ± 50 mV	*1
FM RF	98.00 MHz (10-30 dB)	98.00 MHz	L312	*2

*1. Input: Antenna Output: TP301

*2. Input: Antenna Output: Speaker terminal

CD SECTION

• Adjustment

Since this CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

Items adjusted automatically

- Offset adjustment (The offset voltage between the head amplifier output and the VREF reference voltage is compensated inside the IC.)
 - * Focus offset adjustment
 - * Tracking offset adjustment
- Tracking balance adjustment (waveform drawing Fig.14-2 EFBL)
- Gain adjustment (The gain is compensated inside the IC so that the loop gain at the gain crossover frequency will be 0 dB.)
 - * Focus gain adjustment
 - * Tracking gain adjustment

CD ERROR CODE DESCRIPTION

Error	State Code
0001	[Servo System Error]
0002	Cannot detect Pickup-in SW DSP access error
0101	[Error during close operation]
0103	Open/Close SW not functioning (Low → High) Open/Close SW not functioning (High → Low)
0201	[Error during open operation]
0203	Open/Close SW not functioning (Low → High) Open/Close SW not functioning (High → Low)
0302	[Error during skip operation]
0306	Pickup-in SW is not detected During Disc 1 search, Open/Close SW or Clamp SW or Disc SW do not change to low.
0307	Clamp SW not function (Low → High)
0308	Clamp SW not function (High → Low)

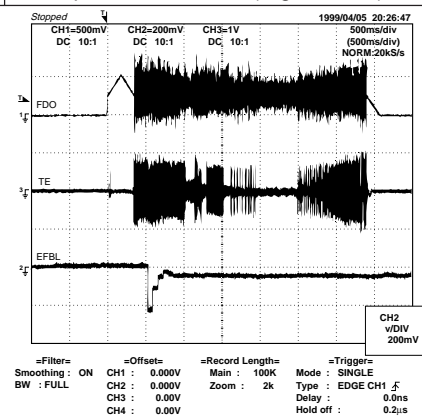


Figure 14-2

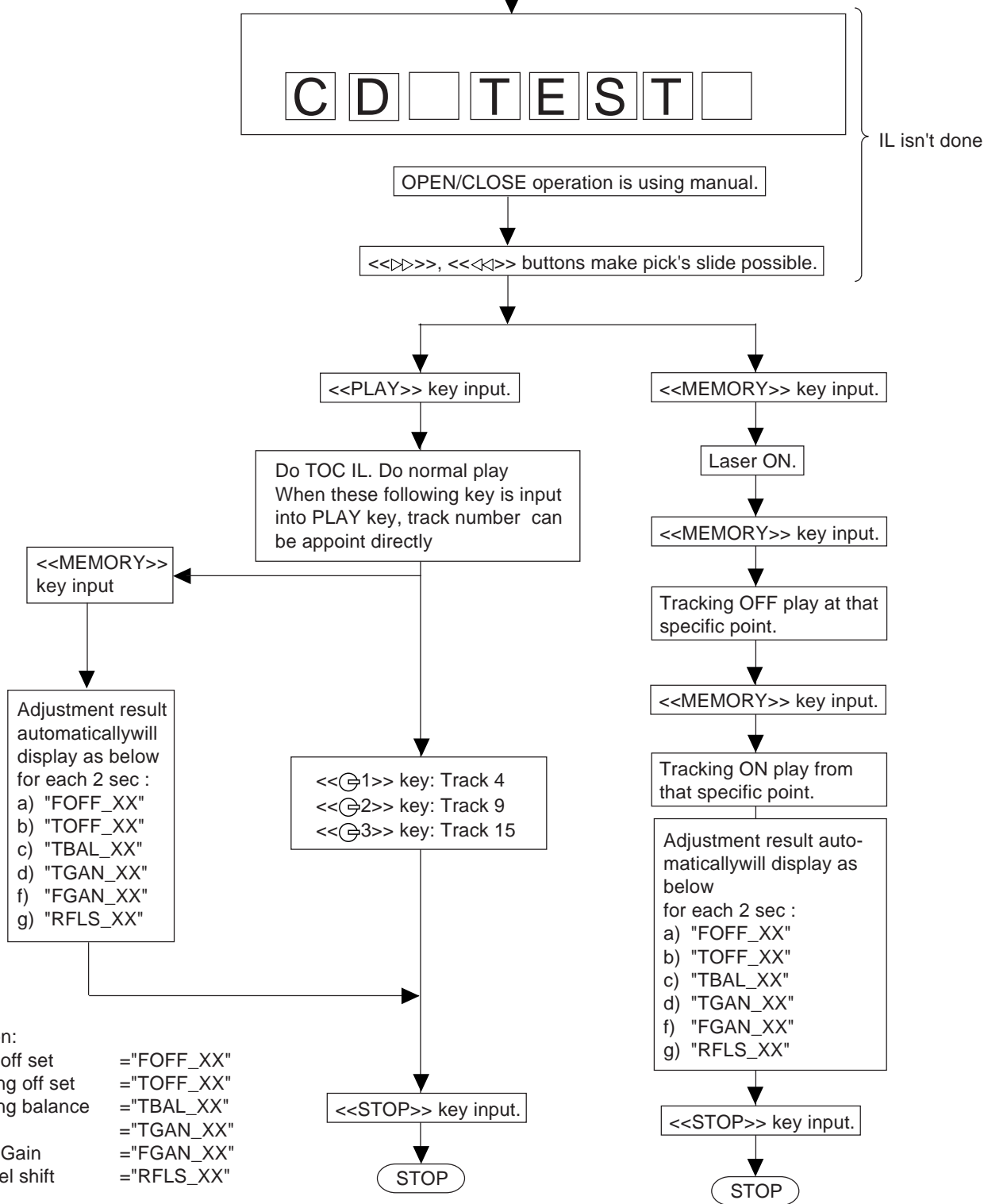
TEST MODE

Setting the test mode

Any one of test mode can be set by pressing several keys as follows.

<X-BASS> + <CD> + <POWER> TEST:CD operation test

Function:-CD test mode.
-Enter test mode.



explanation:

a) Focus off set	= "FOFF_XX"
b) Tracking off set	= "TOFF_XX"
c) Tracking balance	= "TBAL_XX"
d) TGAN	= "TGAN_XX"
f) Focus Gain	= "FGAN_XX"
g) RF level shift	= "RFLS_XX"

VOL — Last memory

BAL — CENTER

P.GEQ — FLAT

X-BASS — OFF

To cancel : Power OFF

Sliding the PICKUP with
<<D>>, <<L>> button
must only be in STOP mode.

Standard Specification of Stereo System Error MessageDisplay Contents

Error Contents		DISPLAY	Notes
Output while Device Protection Operation		'PROTECT'	00: While in Protect Circuit Operate 01: Over Current Detection 02: DC Detection 03:
TAPE	Mechanism Error	'ER-TA**'	00: Tape Mechanism Error 01: Initial Error 02: 03:
CD/VCD	Pickup Mechanism Error	'ER-CD**'	00: Pickup Mechanism Error 01: PU-IN SW Detection NG 02: 03: 04:
	CD Changer Mechanism Error	'ER-CD**'	10: Changer Error 11: Initial Error 12: 13:
	Tray Error	'ET-CD**'	20: Tray Error 21: 22: 23:
	Focus Not Match	'NO DISC'	
	IL Time Over	'NOT READ'	
TUN	PLL Unlock	'ER-TU**'	00: TUN Error 01: PLL Unlock 02: 03:

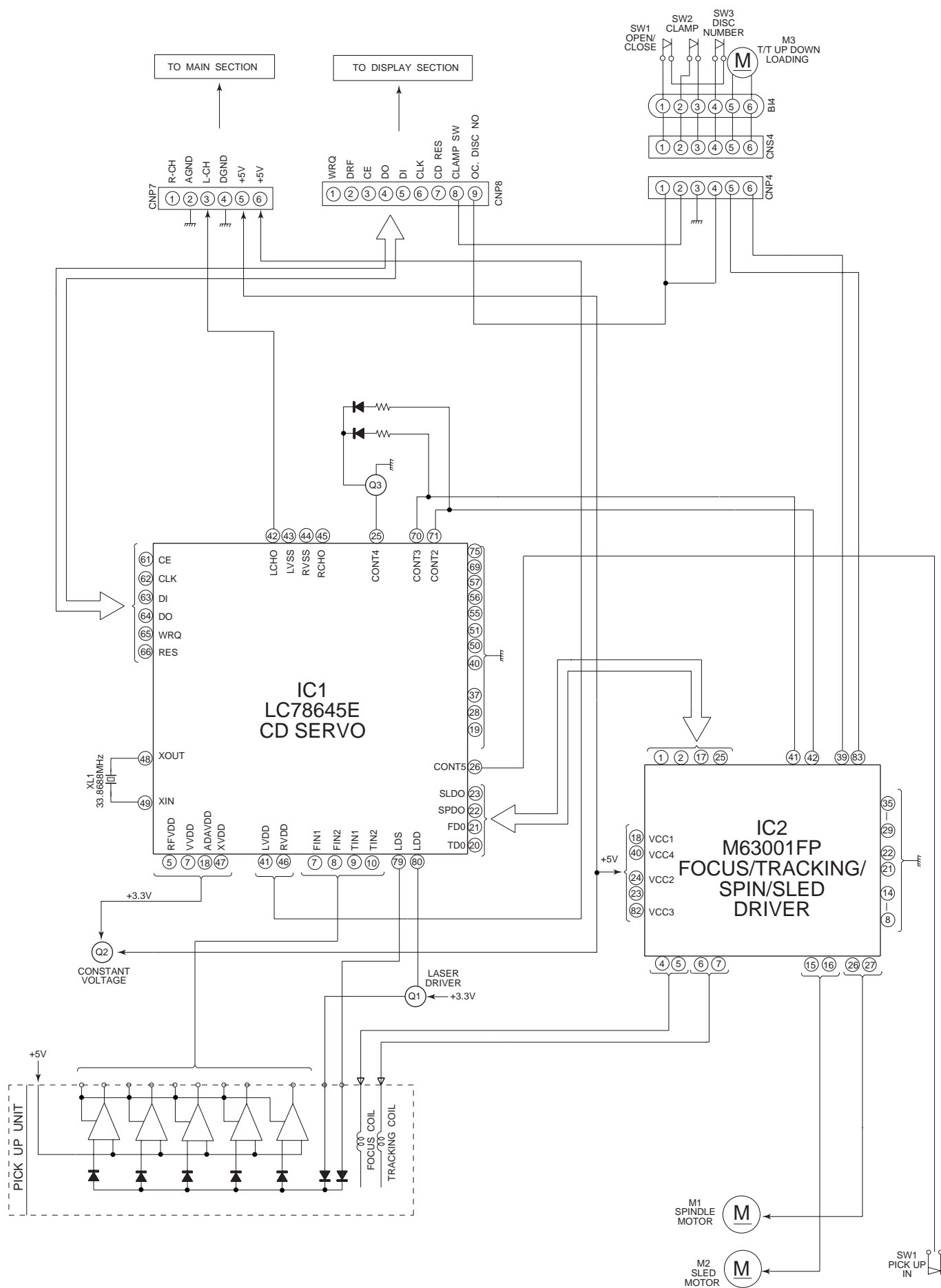
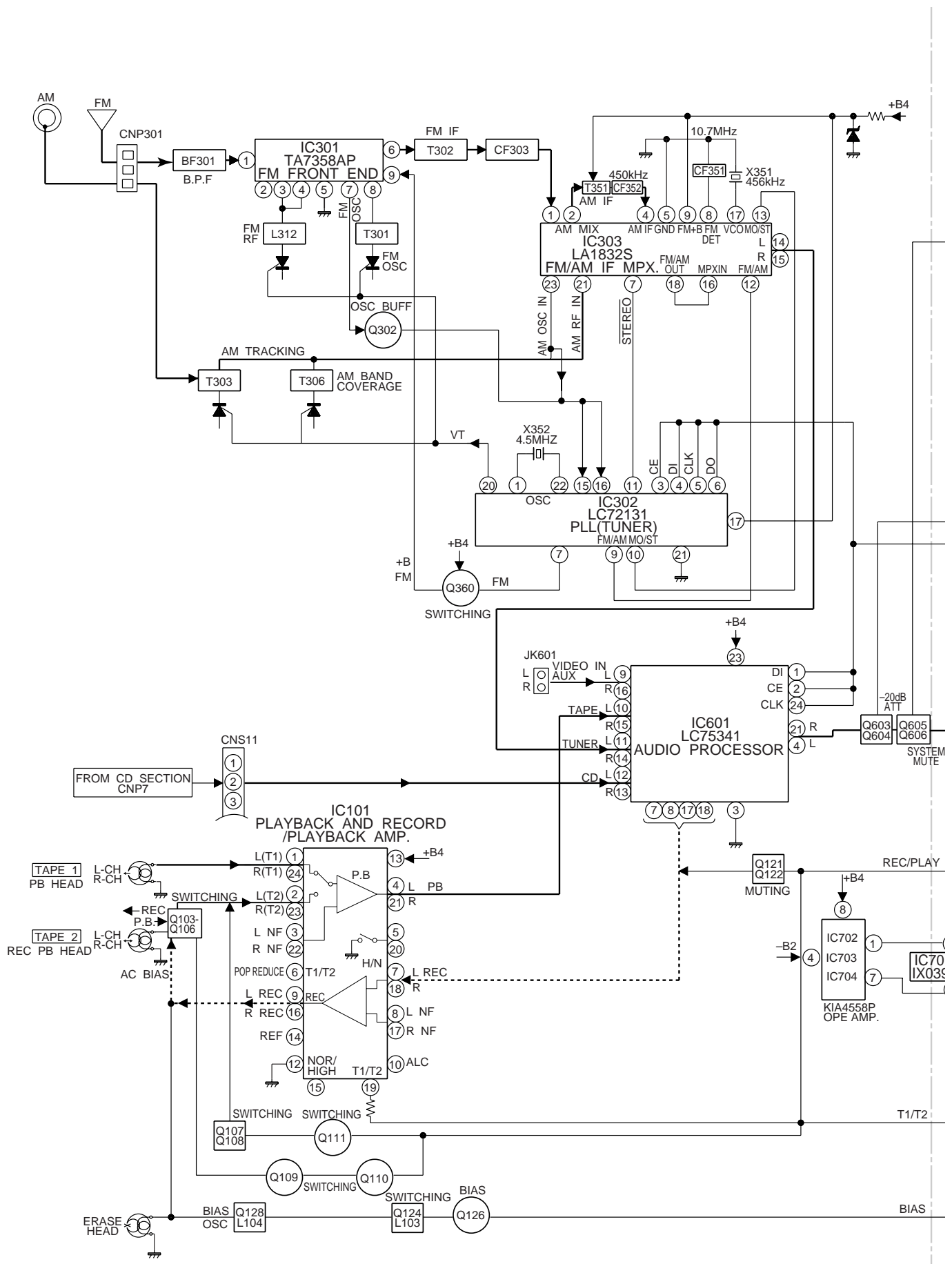


Figure 17 BLOCK DIAGRAM (1/3)



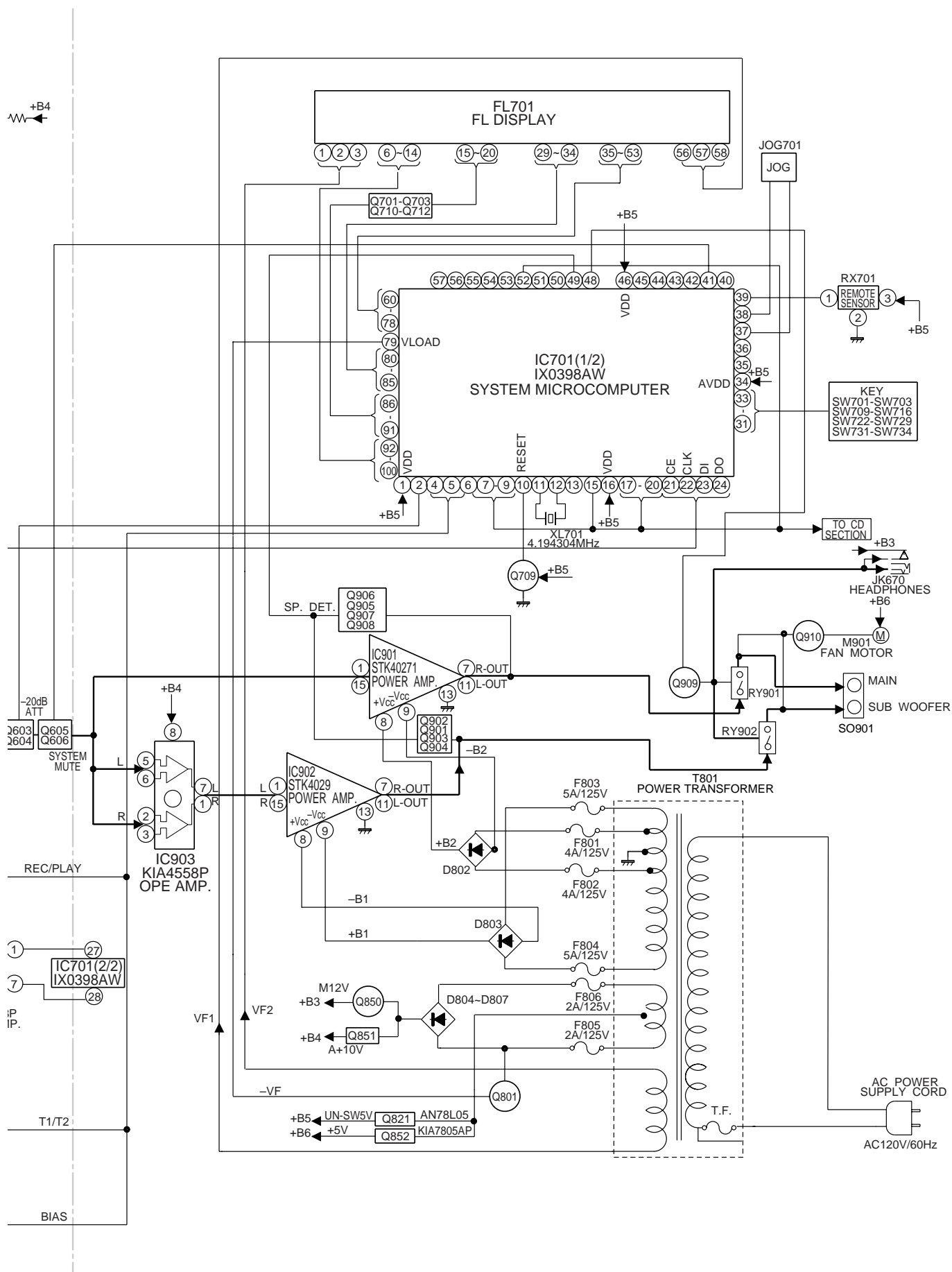
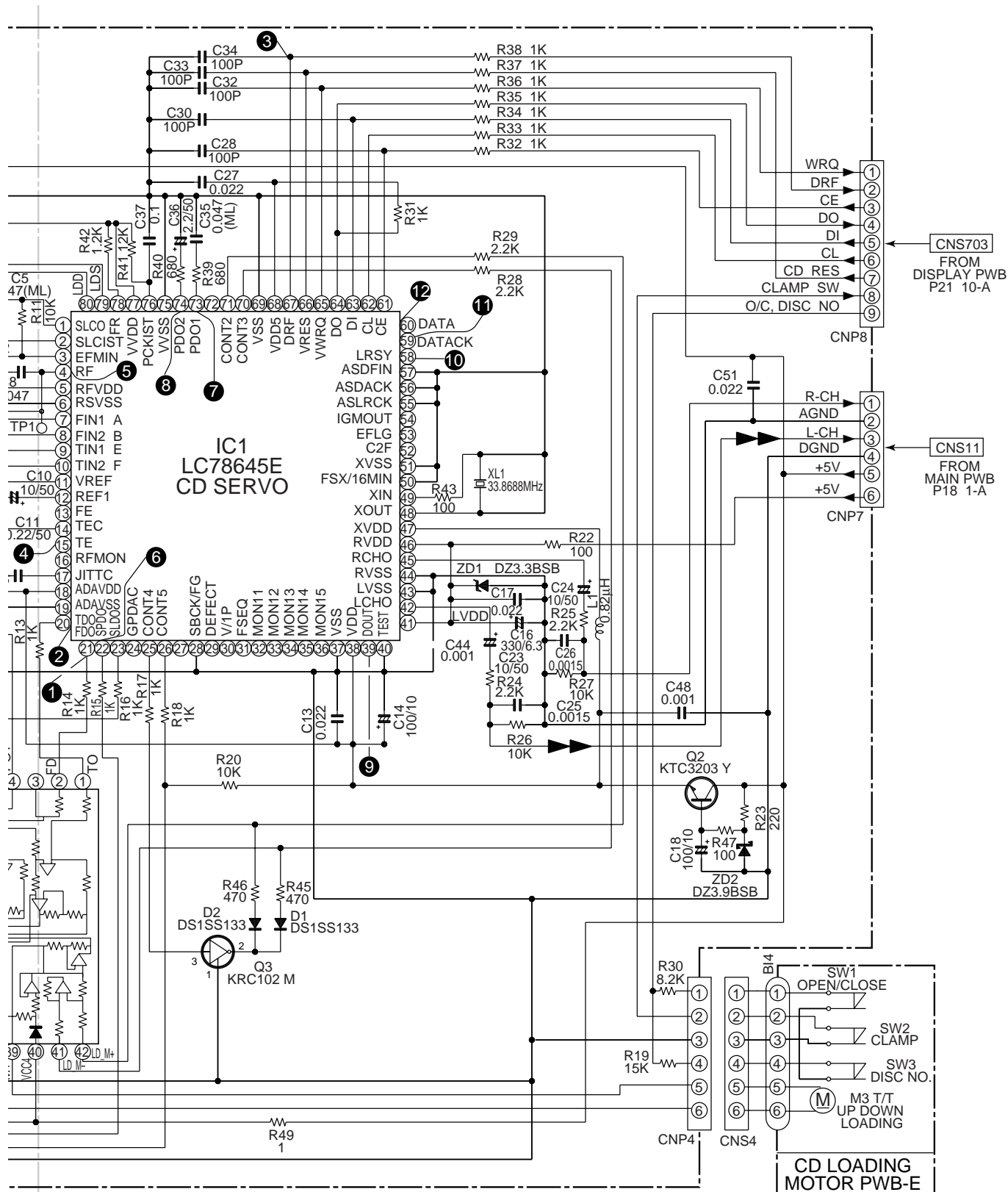


Figure 19 BLOCK DIAGRAM (3/3)



- 20 -



• The numbers 1 to 12 are waveform numbers shown in page 40.

Figure 21 SCHEMATIC DIAGRAM (2/10)

- 22 -

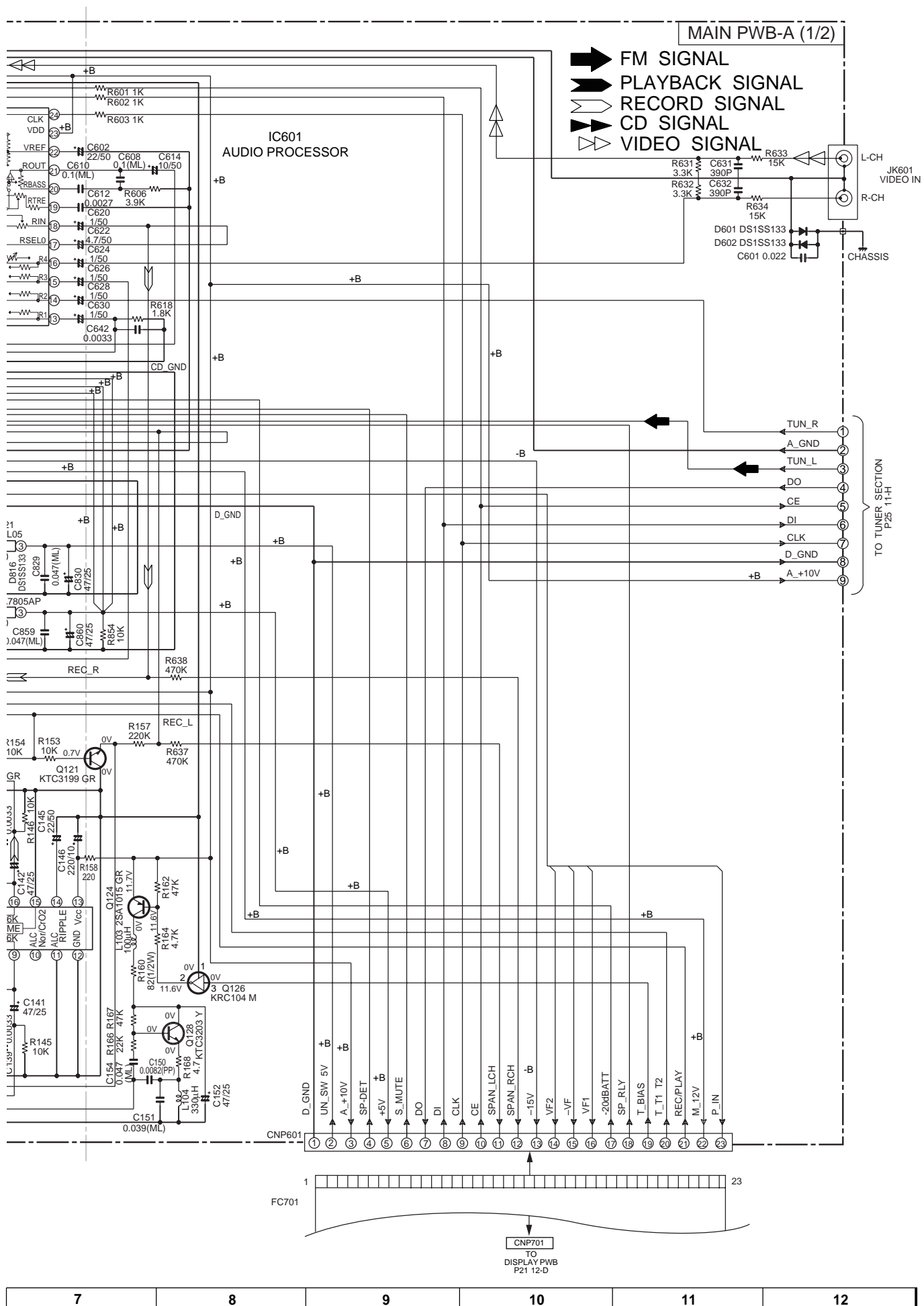


Figure 23 SCHEMATIC DIAGRAM (4/10)

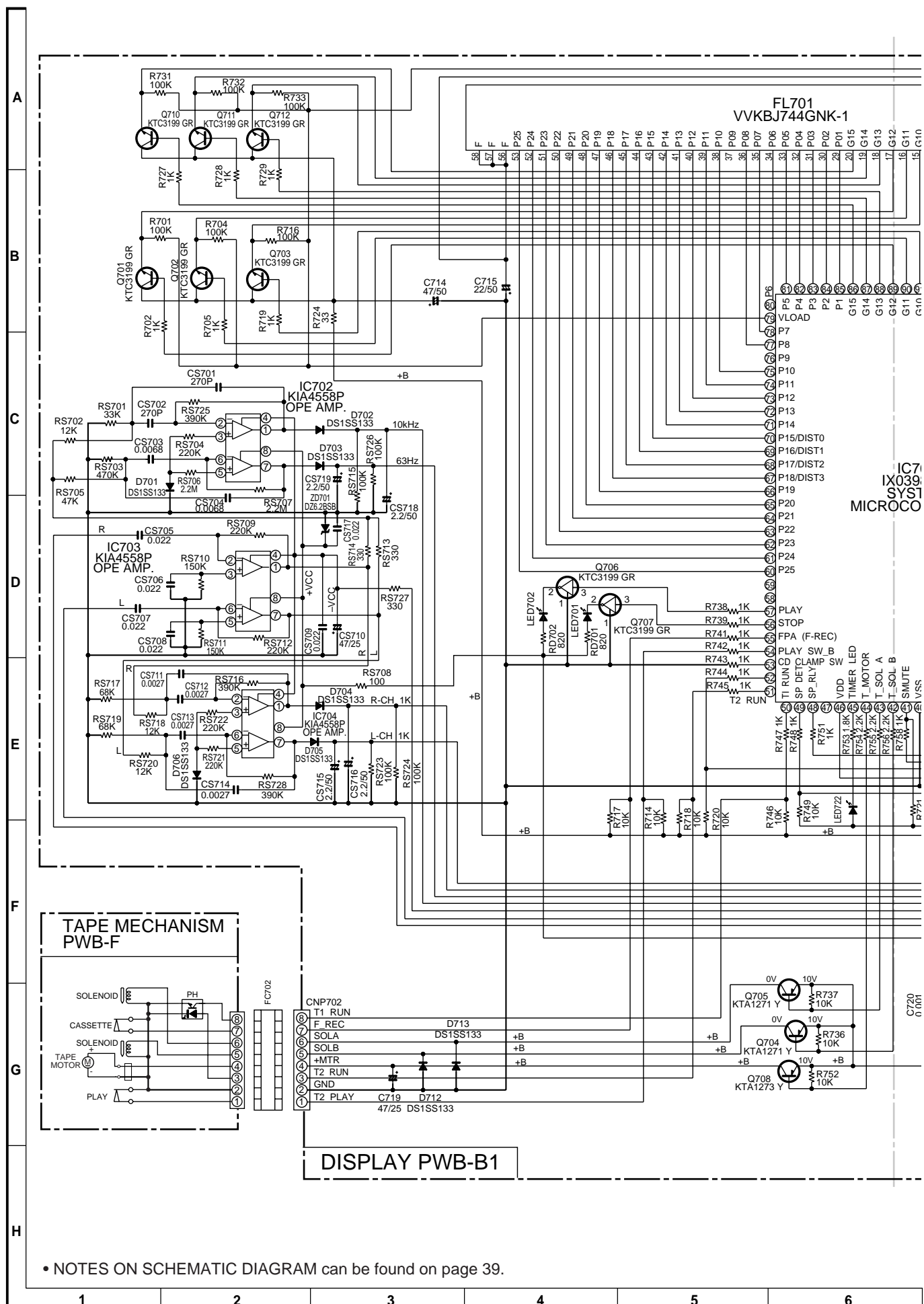


Figure 24 SCHEMATIC DIAGRAM (5/10)

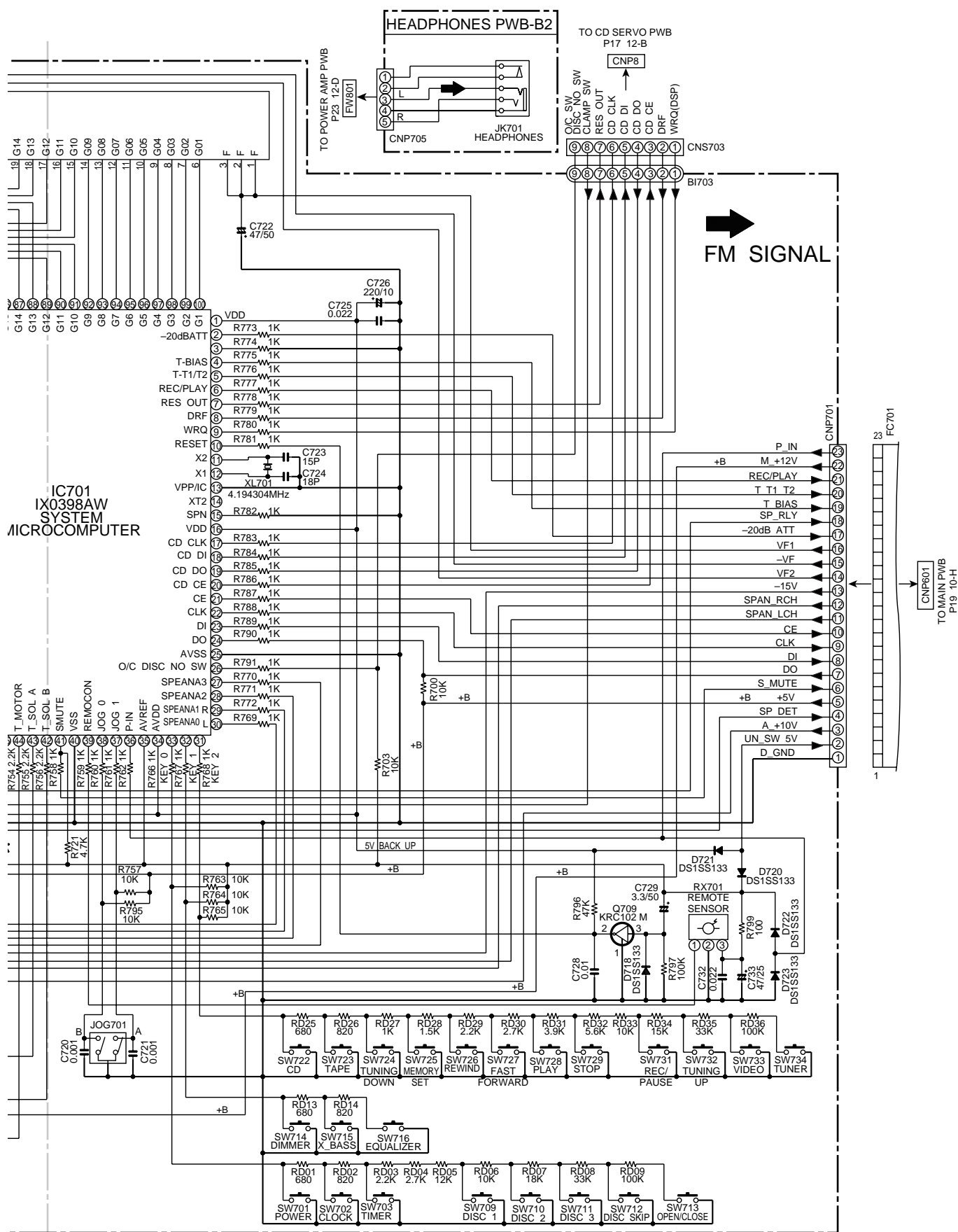
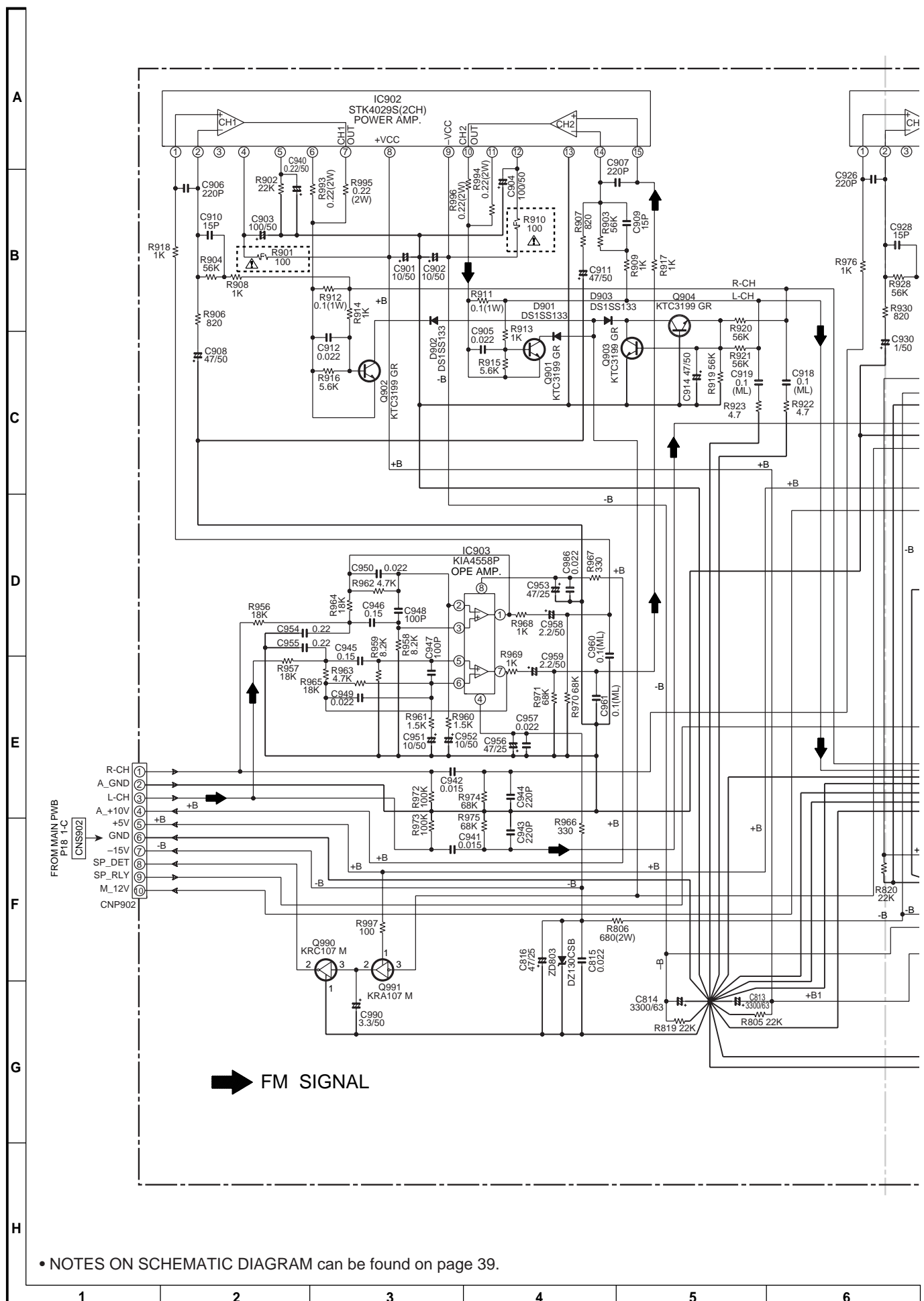
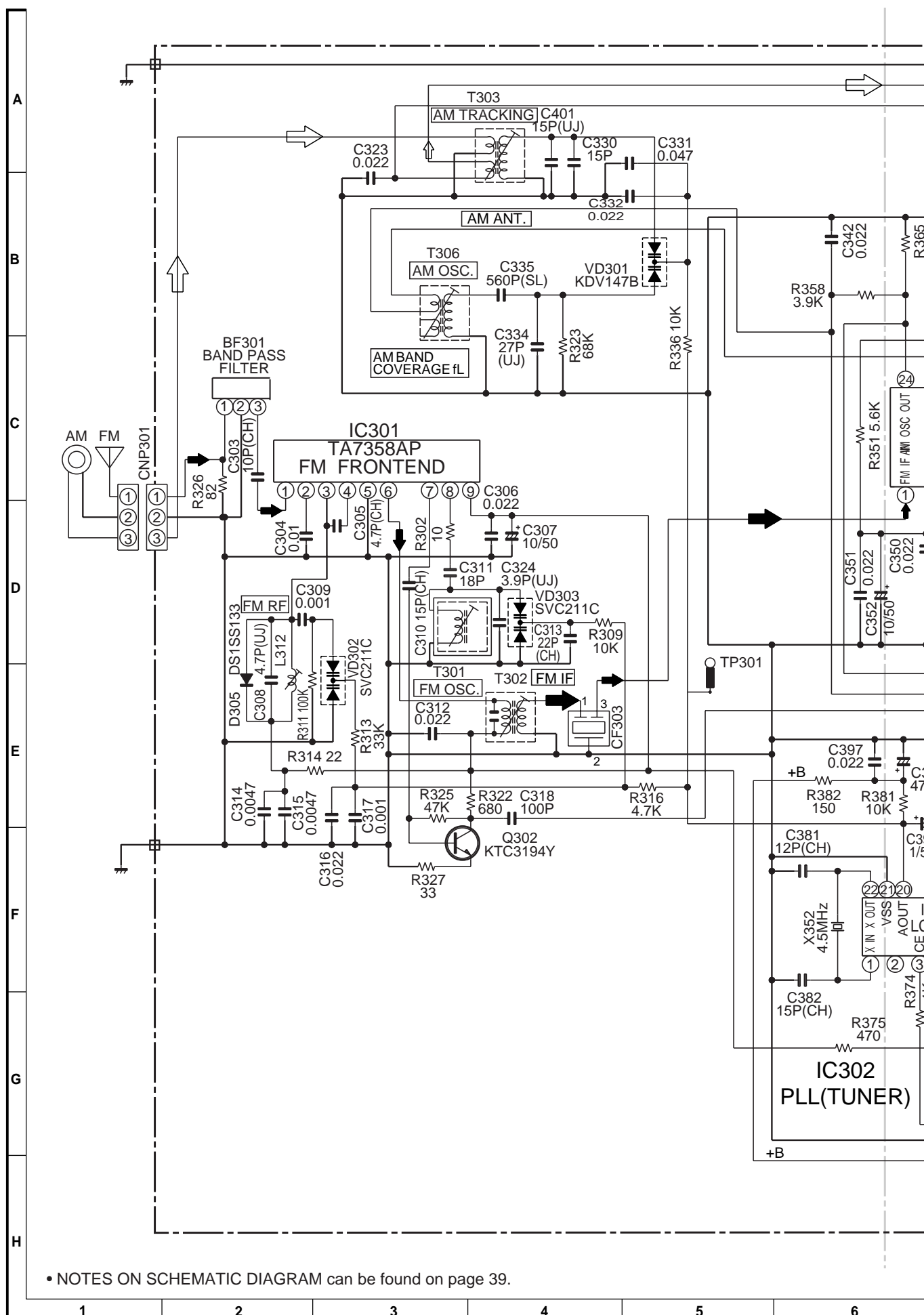


Figure 25 SCHEMATIC DIAGRAM (6/10)



- 27 -



• NOTES ON SCHEMATIC DIAGRAM can be found on page 39.

Figure 28 SCHEMATIC DIAGRAM (9/10)

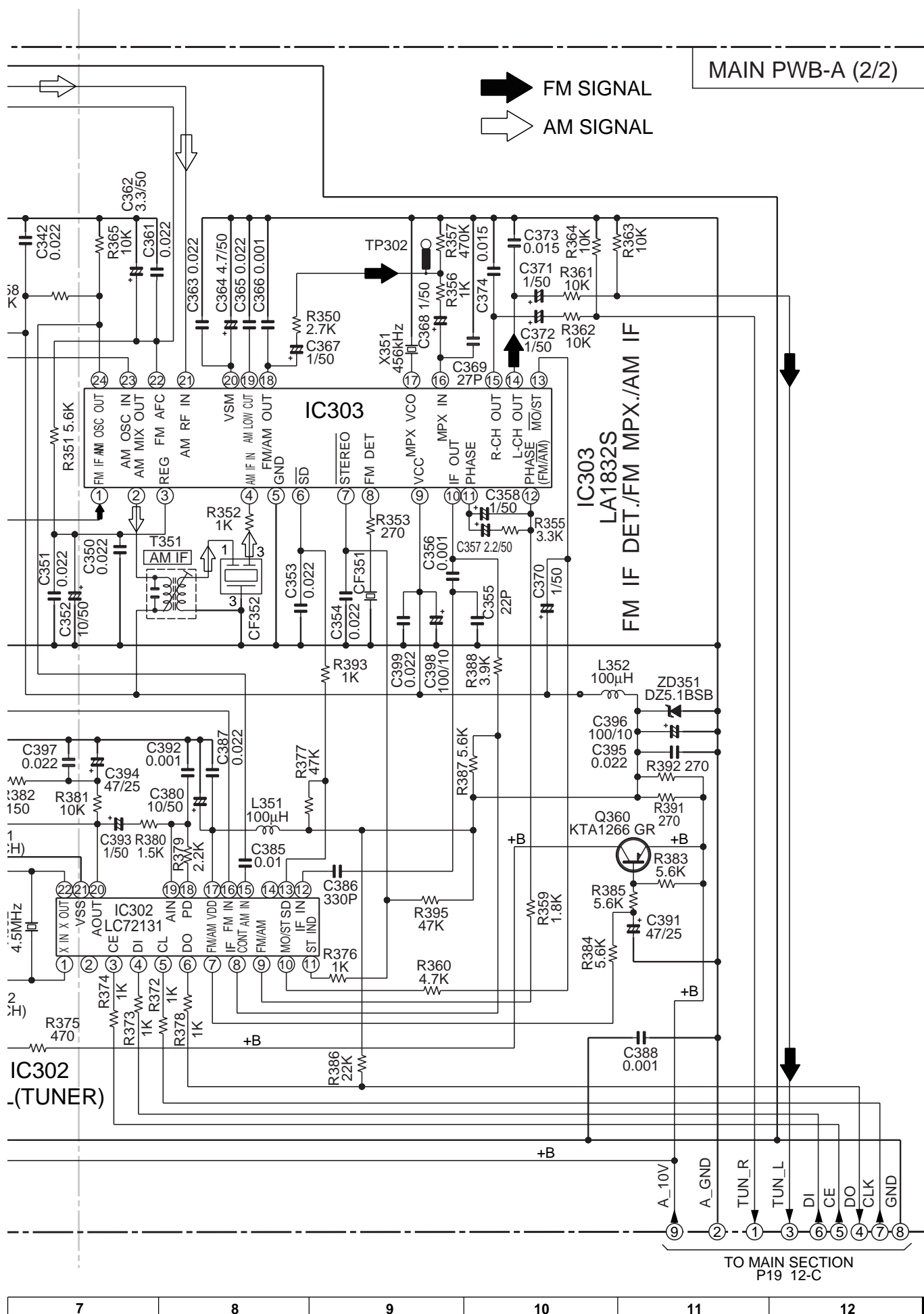


Figure 29 SCHEMATIC DIAGRAM (10/10)

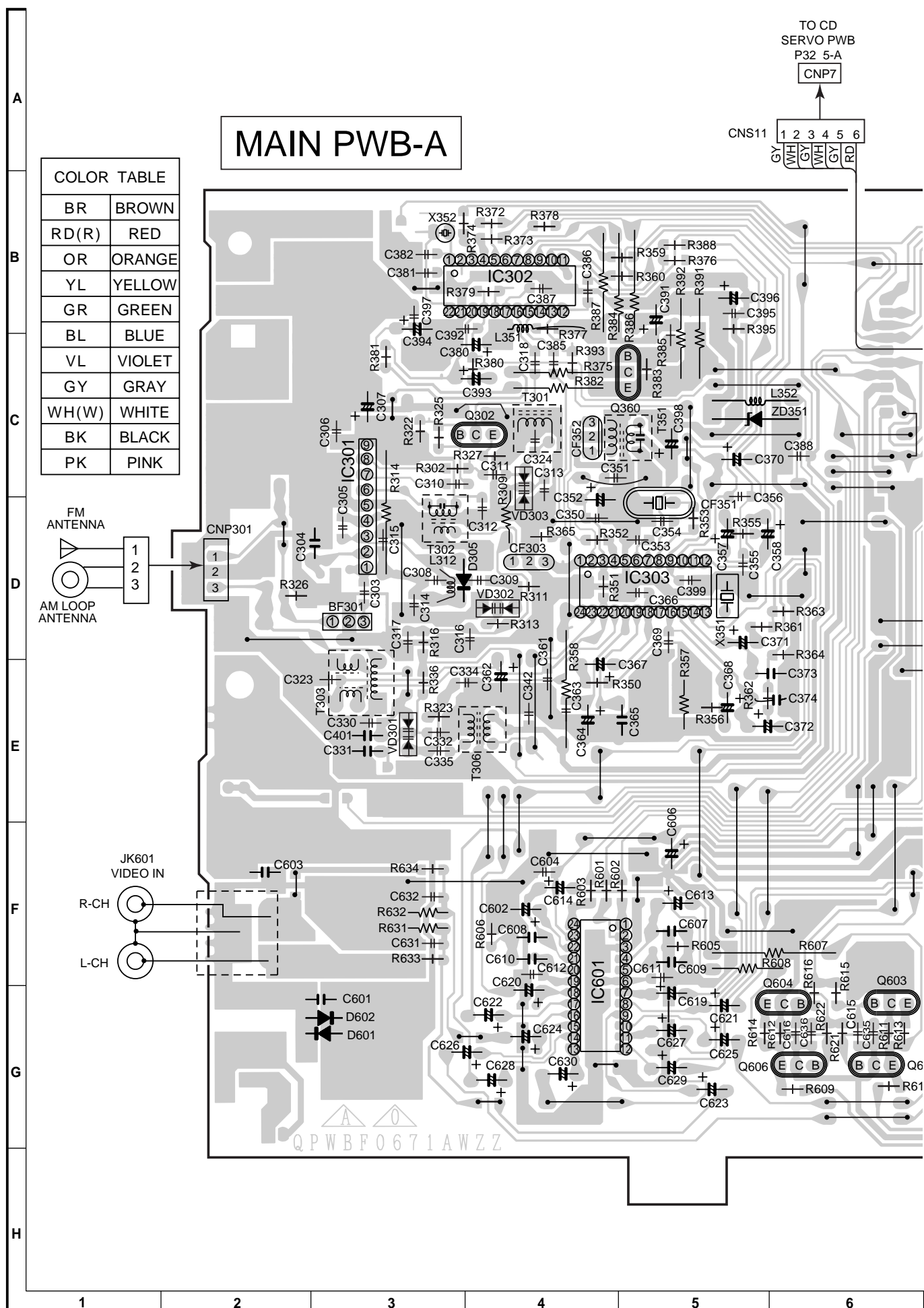


Figure 30 WIRING SIDE OF P.W.BOARD (1/8)

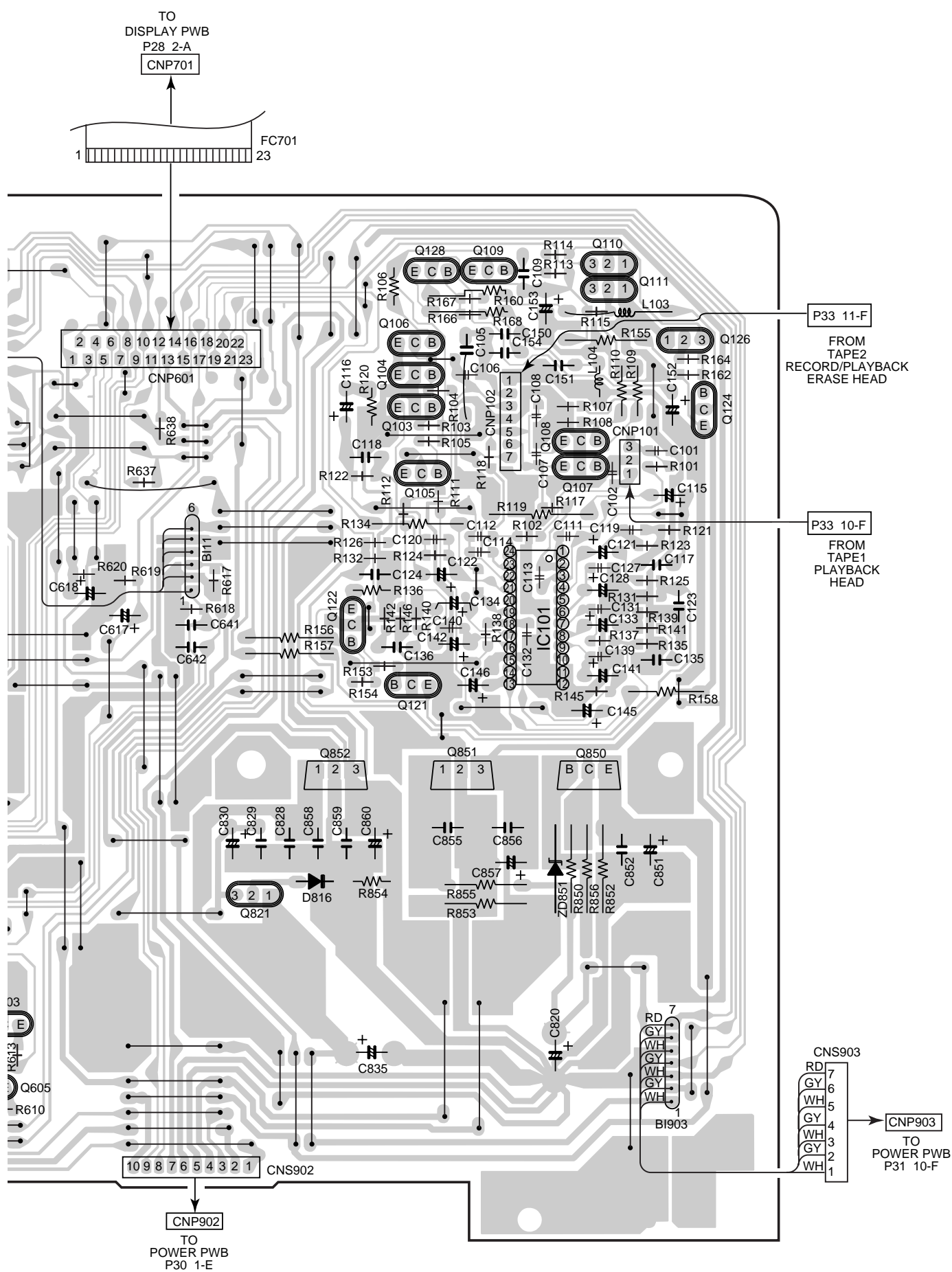


Figure 31 WIRING SIDE OF P.W.BOARD (2/8)

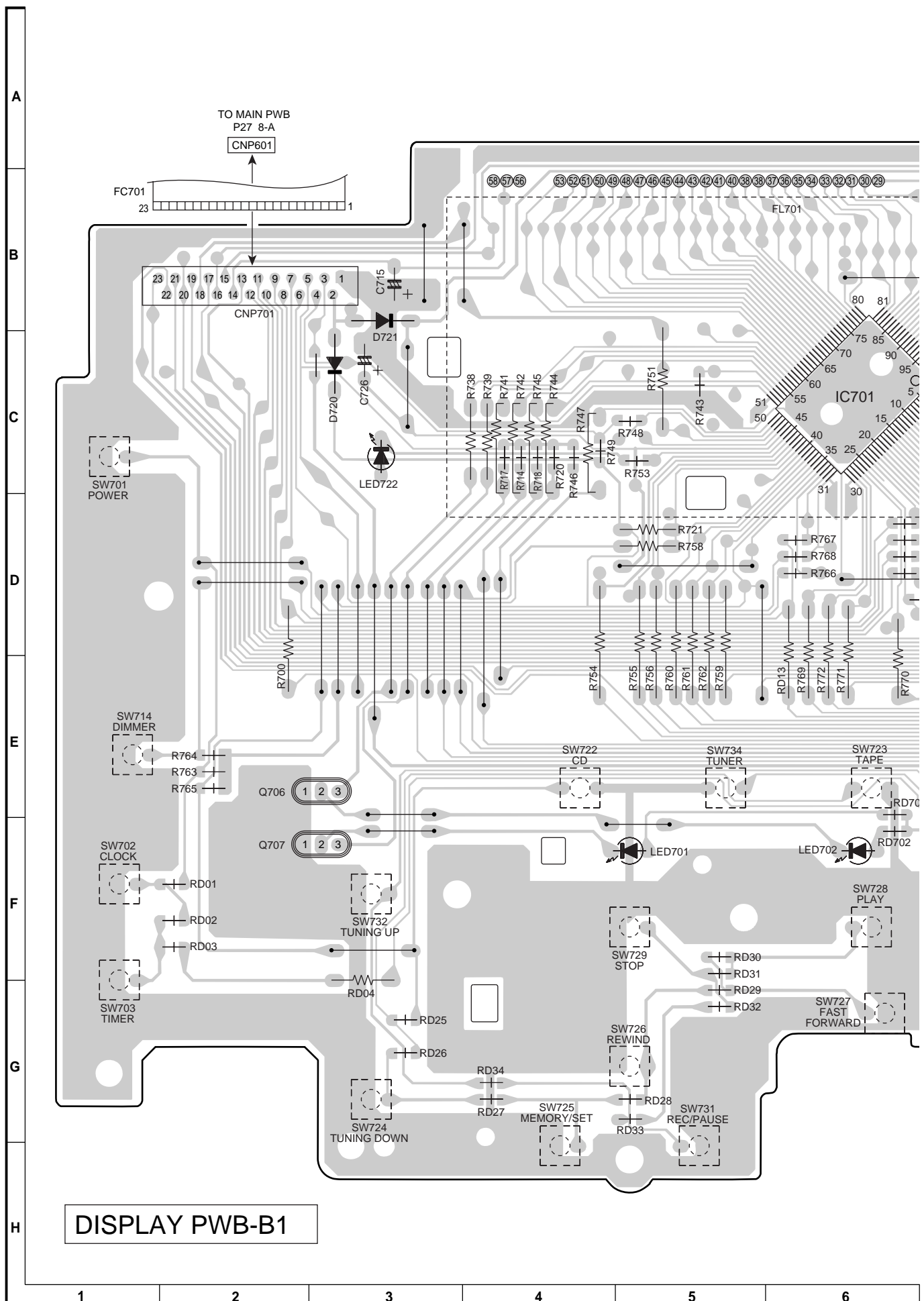
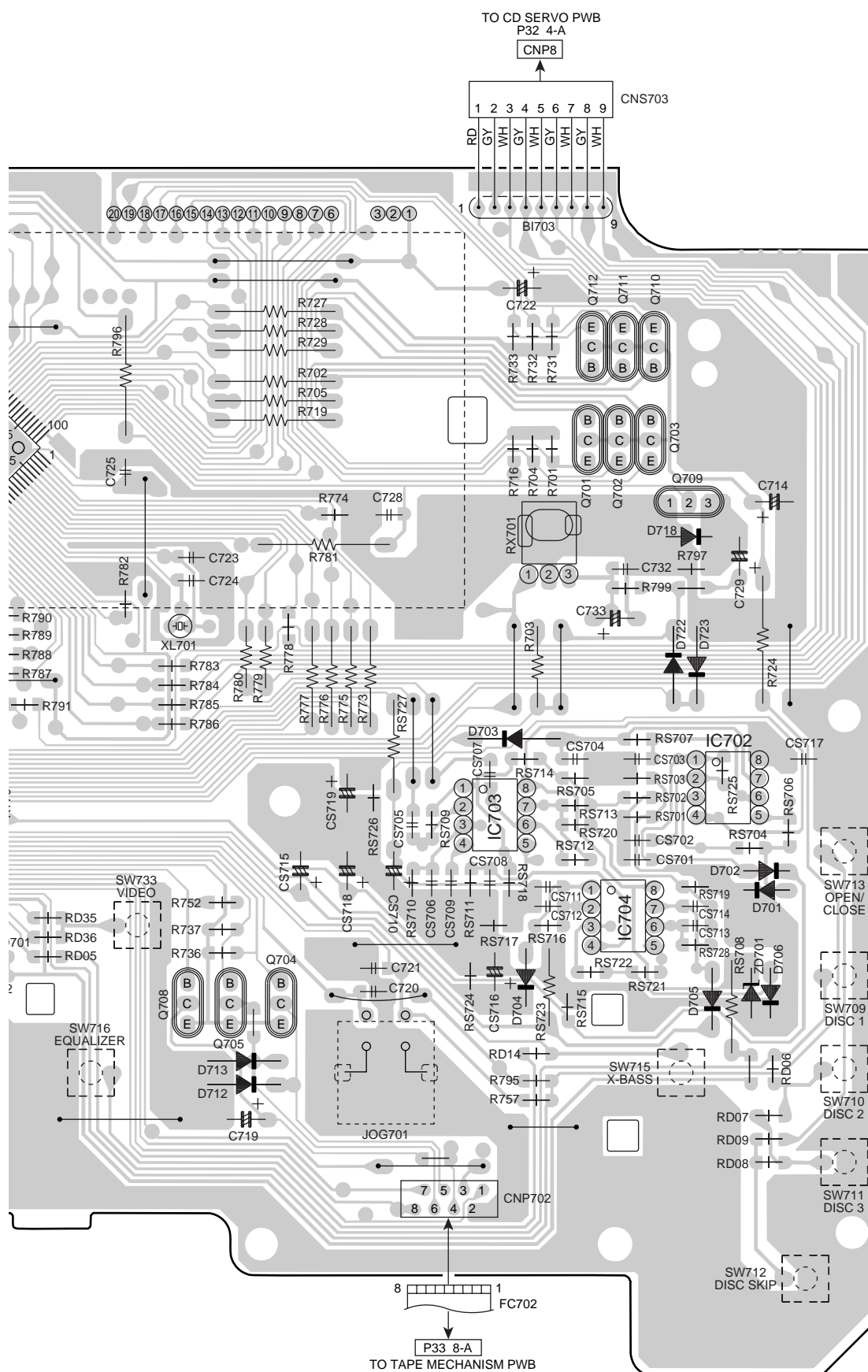


Figure 32 WIRING SIDE OF P.W.BOARD (3/8)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

Figure 33 WIRING SIDE OF P.W.BOARD (4/8)

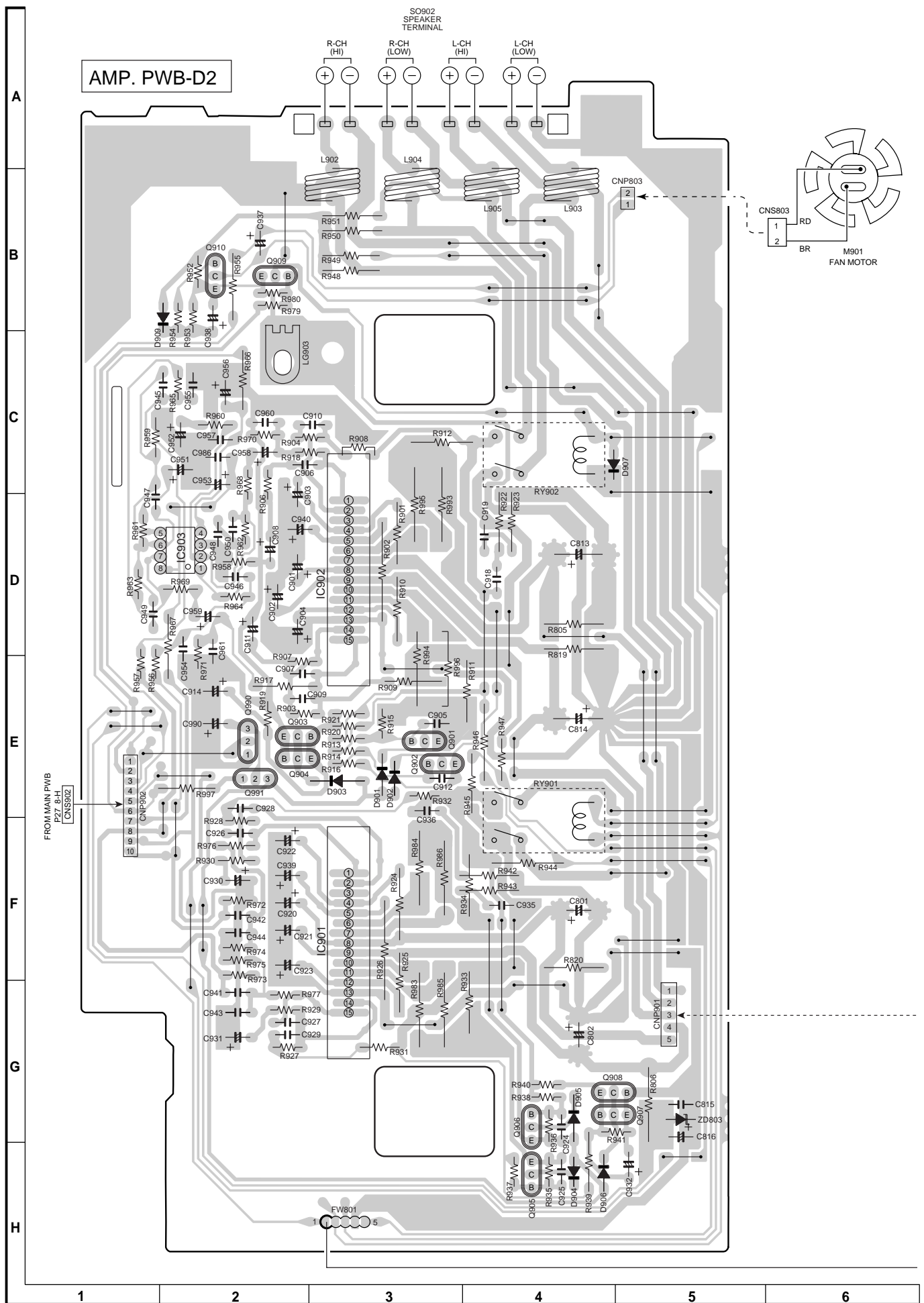


Figure 34 WIRING SIDE OF P.W.BOARD (5/8)

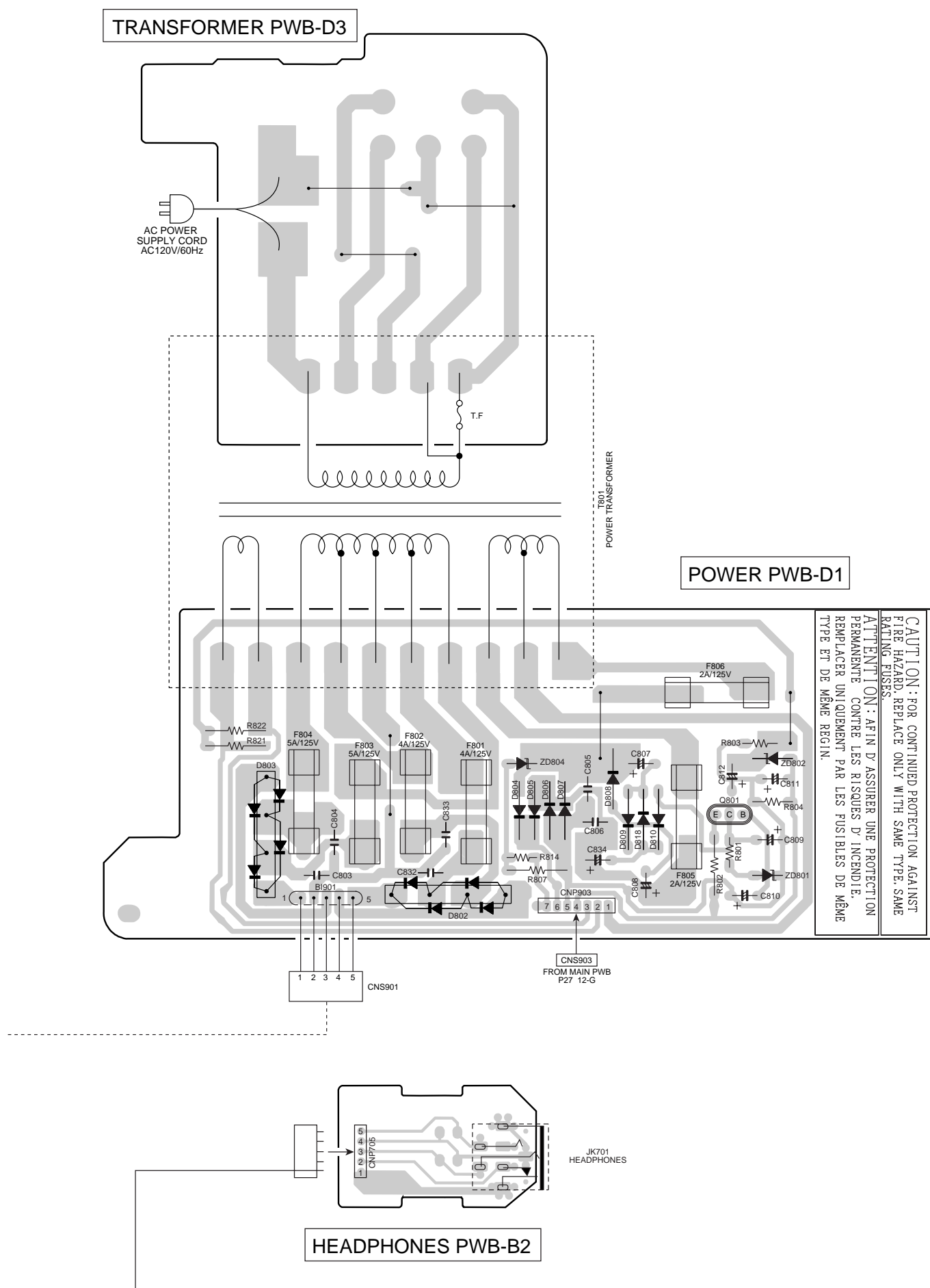


Figure 35 WIRING SIDE OF P.W.BOARD (6/8)



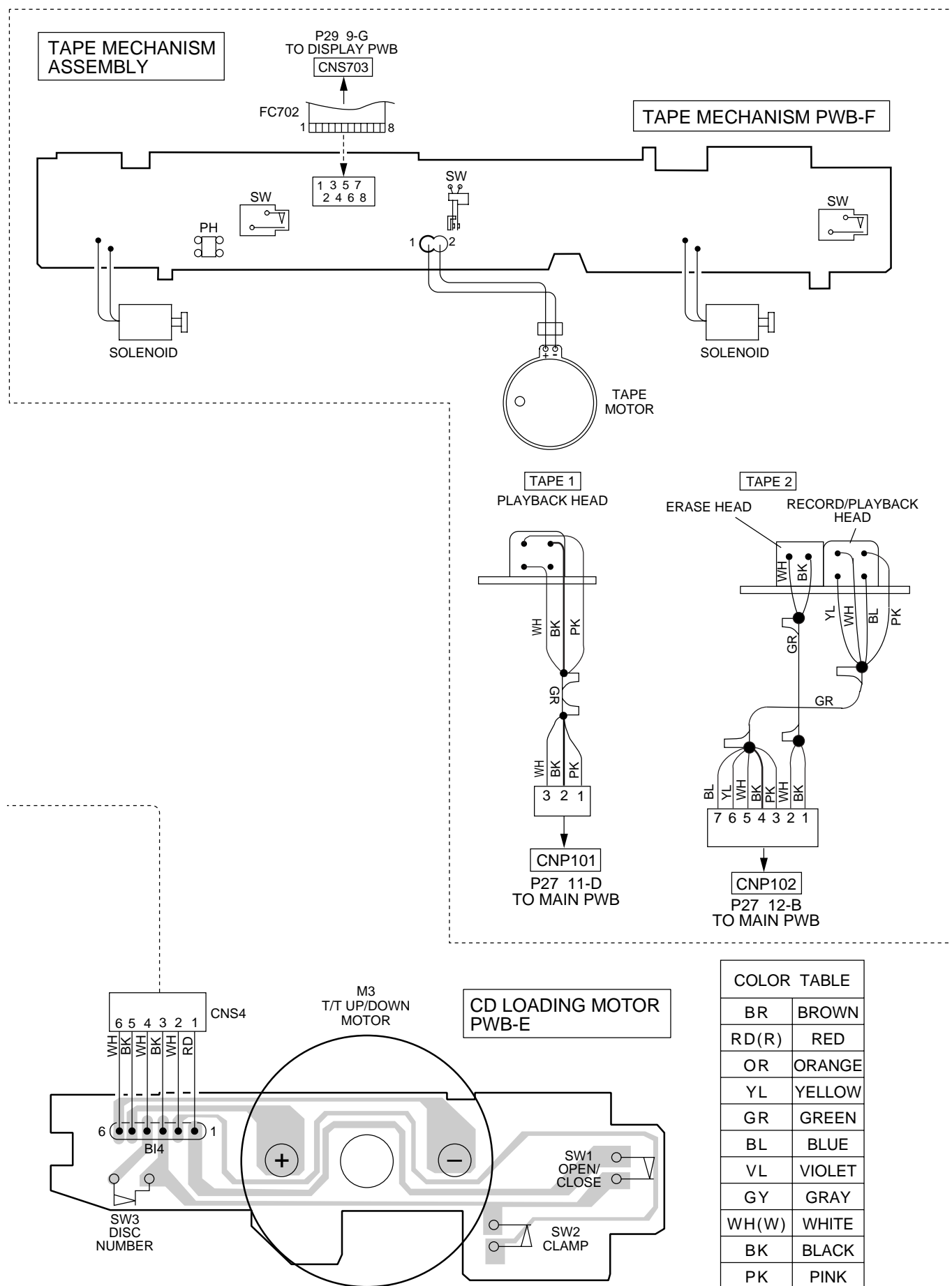


Figure 37 WIRING SIDE OF P.W.BOARD (8/8)

VOLTAGE

IC1			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	1.6V	41	3.7V
2	1.0V	42	3.7V
3	1.6V	43	0V
4	1.8V	44	0V
5	3.3V	45	3.7V
6	0V	46	3.2V
7	1.6V	47	3.2V
8	1.6V	48	3.2V
9	1.6V	49	0V
10	1.6V	50	0V
11	1.6V	51	0V
12	1.6V	52	3.2V
13	1.5V	53	0V
14	1.5V	54	0V
15	1.5V	55	0V
16	1.5V	56	0V
17	0.8V	57	0V
18	3.2V	58	3.2V
19	0V	59	0V
20	1.6V	60	0V
21	1.6V	61	0V
22	1.6V	62	4.7V
23	1.6V	63	0V
24	0V	64	4.9V
25	0V	65	4.9V
26	3.2V	66	4.9V
27	0V	67	0V
28	0V	68	4.9V
29	0V	69	0V
30	0V	70	0V
31	0V	71	0V
32	0V	72	0V
33	0V	73	0V
34	0V	74	0V
35	1.6V	75	0V
36	0V	76	3.2V
37	0V	77	3.2V
38	3.2V	78	3.2V
39	3.2V	79	0V
40	0V	80	3.2V

IC1	
PIN NO.	VOLTAGE
1	1.7V
2	1.7V
3	1.8V
4	2.1V
5	2.1V
6	2.1V
7	2.0V
8	0V
9	0V
10	0V
11	0V
12	0V
13	0V
14	0V
15	2.1V
16	2.1V
17	1.6V
18	4.9V
19	3.0V
20	1.6V
21	0V
22	0V
23	4.9V
24	4.9V
25	1.6V
26	2.1V
27	2.1V
28	0V
29	0V
30	0V
31	0V
32	0V
33	0V
34	0V
35	0V
36	4.2V
37	0V
38	2.1V
39	2.1V
40	4.9V
41	3.7V
42	3.7V

Q850	
PIN NO.	VOLTAGE
1	22.9V
2	13.1V
3	12.6V

Q851	
PIN NO.	VOLTAGE
1	10.2V
2	0V
3	22.6V

Q852	
PIN NO.	VOLTAGE
1	11.5V
2	0V
3	5.0V

IC301	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0.3V
4	0V
5	0V
6	0V
7	0V
8	0V
9	0V

IC101	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0.5V
4	2.0V
5	0V
6	1.3V
7	0V
8	0.6V
9	3.5V
10	3.4V
11	0V
12	0V
13	7.0V
14	4.1V
15	0V
16	3.4V
17	0.6V
18	0V
19	0.7V
20	0V
21	2.0V
22	0.5V
23	0V
24	0V

IC302	
PIN NO.	VOLTAGE
1	2.5V
2	0V
3	0V
4	0V
5	0V
6	5.0V
7	0V
8	4.7V
9	3.9V
10	4.0V
11	5.0V
12	0V
13	5.1V
14	0V
15	0V
16	2.5V
17	5.1V
18	0.9V
19	0.9V
20	1.3V
21	0V
22	2.5V

IC303	
PIN NO.	VOLTAGE
1	2.1V
2	5.0V
3	2.1V
4	2.1V
5	0V
6	5.1V
7	5.1V
8	2.9V
9	5.0V
10	4.3V
11	3.9V
12	3.9V
13	3.5V
14	1.3V
15	1.3V
16	2.1V
17	2.4V
18	2.3V
19	0V
20	0.4V
21	2.7V
22	2.7V
23	5.0V
24	3.5V

IC601	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	5.3V
5	5.3V
6	5.0V
7	5.0V
8	5.3V
9	5.0V
10	5.0V
11	5.0V
12	5.0V
13	5.0V
14	5.0V
15	5.0V
16	5.0V
17	5.0V
18	5.0V
19	5.0V
20	5.0V
21	5.0V
22	5.0V
23	10.2V
24	0V

BI903	
PIN NO.	VOLTAGE
1	11.9V
2	-31.1V
3	-31.3V
4	-37.4V
5	0V
6	23.7V
7	3.1V

CNP902	
PIN NO.	VOLTAGE
1	0V
2	0V
3	0V
4	10.1V
5	5V
6	0V
7	-13.5V
8	5.0V
9	0V
10	12.6V

IC901	
PIN NO.	VOLTAGE
1	-14.8V
2	14.9V
3	0V
4	37V
5	-35V
6	-14.7V
7	-14.7V
8	38.1V
9	-38.0V
10	-14.8V
11	-14.8V
12	-32.1V
13	0V
14	-14.9V
15	-14.8V

IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.7V	41	2.0V
2	0V	42	12.6V
3	0V	43	12.6V
4	0V	44	12.6V
5	4.7V	45	3.8V
6	4.7V	46	4.7V
7	4.7V	47	4.7V
8	0V	48	0V
9	0V	49	5.1V
10	4.8V	50	5.0V
11	2.2V	51	0V
12	1.9V	52	5.0V
13	0V	53	0V
14	0V	54	5.0V
15	0V	55	5.0V
16	4.7V	56	0V
17	4.7V	57	0V
18	0V	58	0V
19	0V	59	0V
20	0V	60	-36.0V
21	0V	61	-15.1V
22	0V	62	-15.1V
23	0V	63	-36.2V
24	5.1V	64	-36.0V
25	0V	65	-22.1V
26	5.1V	66	-36.1V
27	0V	67	-26.5V
28	0V	68	-31.3V
29	0V	69	-26.4V
30	5.1V	70	-36.1V
31	5.1V	71	-35.7V
32	5.1V	72	-36.1V
33	5.1V	73	-24.2V
34	4.7V	74	-24.3V
35	5.1V	75	-24.1V
36	3.1V	76	-31.4V
37	5.0V	77	-28.8V
38	5.0V	78	-31.1V
39	3.2V	79	-35.9V
40	4.9V	80	-26.4V

IC902	
PIN NO.	VOLTAGE
1	-14.7V
2	-14.8V
3	0V
4	46.7V
5	-43.4V
6	-14.7V
7	-14.7V
8	46.3V
9	-46.0V
10	-14.7V
11	-14.7V
12	-44.7V
13	0V
14	-14.7V
15	-14.6V

IC903	
PIN NO.	VOLTAGE
1	-14.3V
2	-14.3V
3	-14.4V
4	-14.0V
5	-14.3V
6	-14.5V
7	-14.5V
8	-14.6V

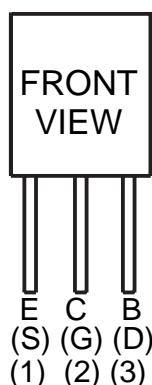
NOTES ON SCHEMATIC DIAGRAM

- **Resistor:**
To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with "Fusible" is a fuse type.
- **Capacitor:**
To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
(CH), (TH), (RH), (UJ): Temperature compensation
(ML): Mylar type
(P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
 1. In the tuner section,
() indicates AM
< > indicates FM stereo
 2. In the main section, a tape is being played back.
 3. In the deck section, a tape is being played back.
() indicates the record state.
 4. In the power section, a tape is being played back.
 5. In the CD section, the CD is stopped.
- Parts marked with " \triangle " ($\square = = = \square$) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

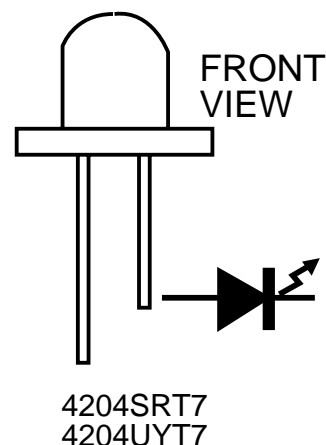
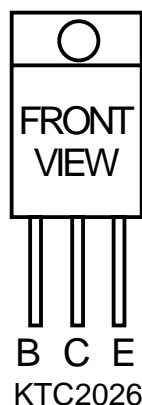
REF. NO	DESCRIPTION	POSITION
SW1	OPEN/CLOSE	ON—OFF
SW2	CLAMP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW701	POWER	ON—OFF
SW702	CLOCK	ON—OFF
SW703	TIMER/SLEEP	ON—OFF
SW709	DISC 1	ON—OFF
SW710	DISC 2	ON—OFF
SW711	DISC 3	ON—OFF
SW712	DISC SKIP	ON—OFF
SW713	OPEN/CLOSE	ON—OFF
SW714	DIMMER	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW715	X-BASS	ON—OFF
SW716	EQUALIZER	ON—OFF
SW722	CD	ON—OFF
SW723	TAPE	ON—OFF
SW724	TUNING/DOWN	ON—OFF
SW725	MEMORY SET	ON—OFF
SW726	REWIND	ON—OFF
SW727	FAST FORWARD	ON—OFF
SW728	PLAY	ON—OFF
SW729	STOP	ON—OFF
SW731	REC/PAUSE	ON—OFF
SW732	TUNING/UP	ON—OFF
SW733	VIDEO	ON—OFF
SW734	TUNER	ON—OFF

TYPES OF TRANSISTOR AND LED

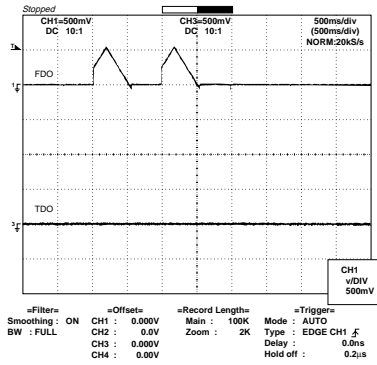


KTA1266 GR	KTA1273 Y
KRC102 M	KTC3203 Y
KRC104 M	KTC3199 GR
KTA1271 Y	KTC107 M
KTA1274 Y	KTC3194 Y
2SC1845 F	2SA1015 GR

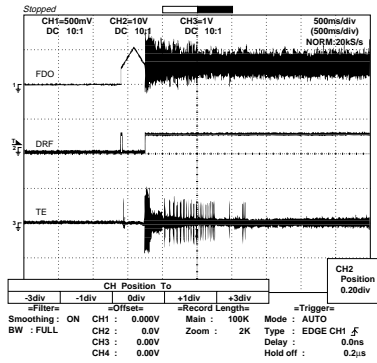


WAVEFORMS OF CD CIRCUIT

1 IC1 (21)



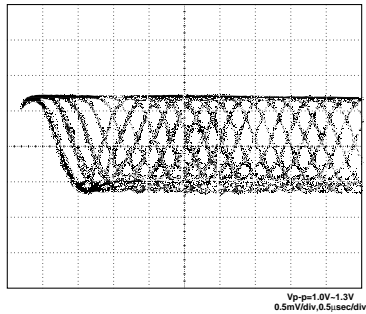
1 IC1 (21)



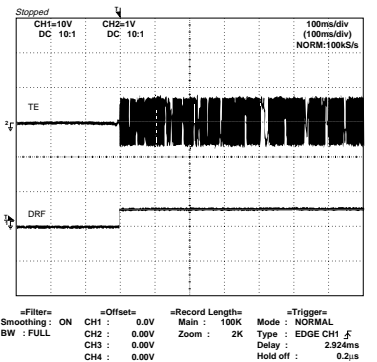
3 IC1 (67)

4 IC1 (15)

5 IC1 (4)

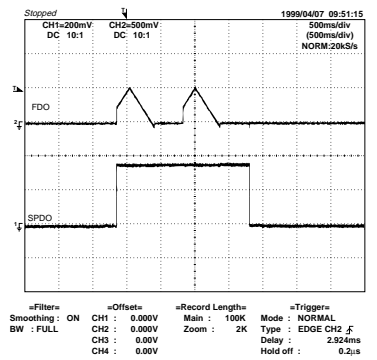


4 IC1 (15)



3 IC1 (67)

1 IC1 (21)

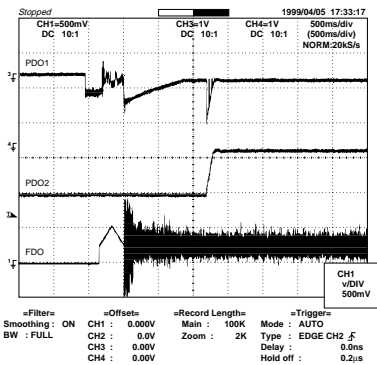


6 IC1 (22)

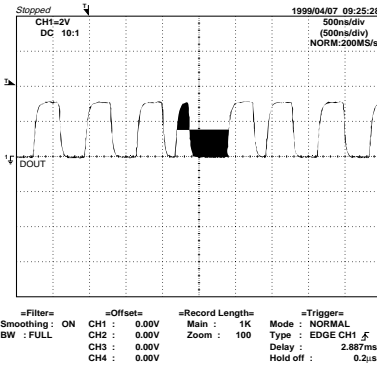
7 IC1 (73)

8 IC1 (74)

1 IC1 (21)



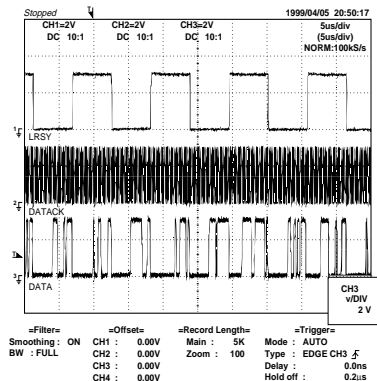
9 IC1 (39)



10 IC1 (58)

11 IC1 (59)

12 IC1 (60)



TROUBLE SHOOTING

When the CD does not function

When the CD section does not operate when the objective lens of the optical pickup is dirty, this section may not operate. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the trouble shooting instructions.

"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

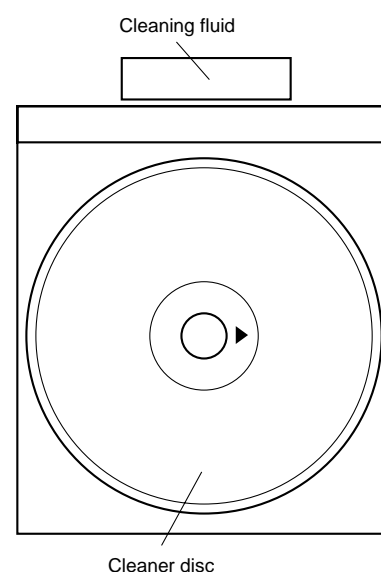
	Parts code
1. CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continuous to turn, press the stop button.

CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disk must not be used on car CD players or on computer CD-ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.



When a CD cannot be played

1. "E-CD01" is displayed.

- (1) Check the power to IC1 (LC78645E), the presence of the clock signal (33.8688 MHz) and the status of the RESET terminal (pin 66 on IC1).
- (2) Does the pickup move to the PICKUP-IN Switch (SW4) position?

If (1) and (2) are OK, check the system microcomputer (especially the communication line with the DSP).

2. Pressing the CD operation key is accepted, but playback does not occur.

- (1) Focus-HF system check
- (2) Tracking system check
- (3) Spin system check
- (4) PLL system check
- (5) Others

(1) Focus-HF system check

Although a CD is inserted and the cover is closed, "NO DISC" is displayed.

Press the OPEN/CLOSE switch (SW1) without inserting a disc, and try starting the playback operation.

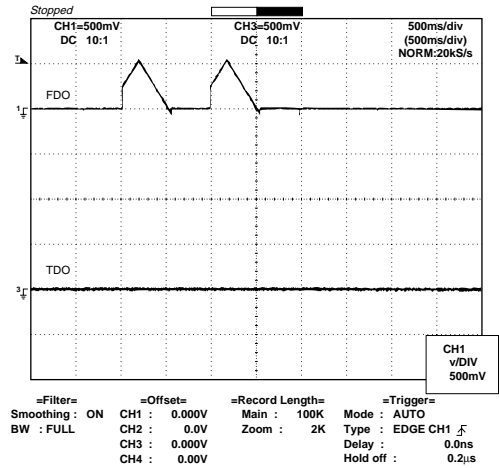
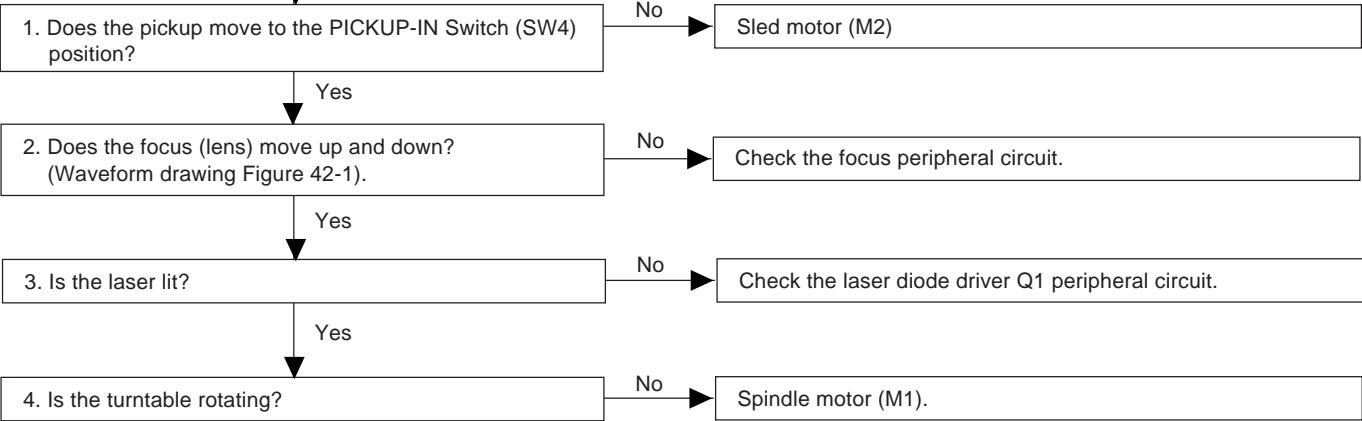


Figure 42-1



When a disc is loaded, start playback operation.

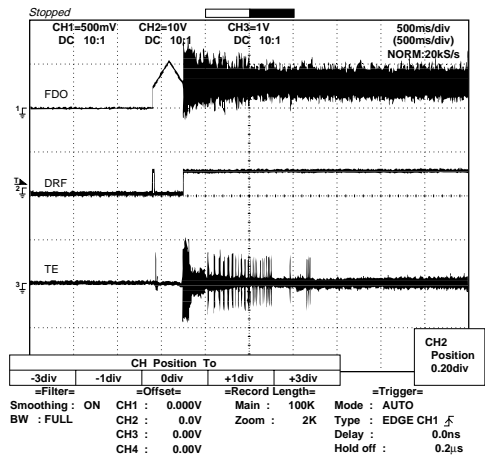
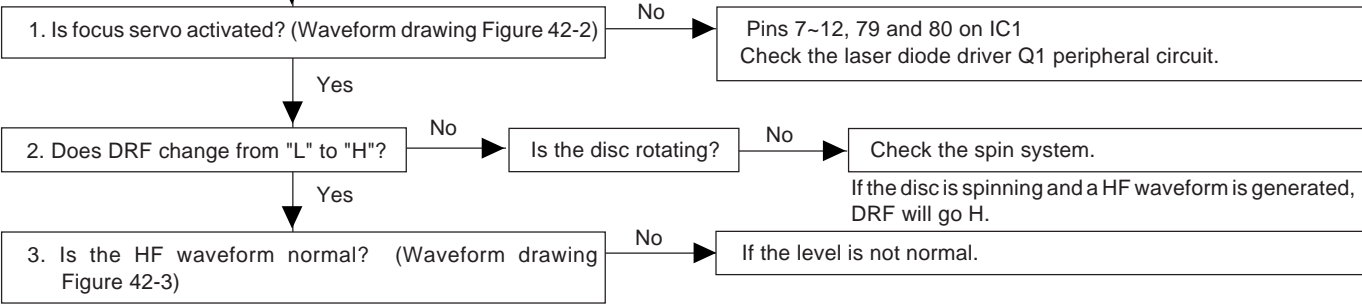


Figure 42-2

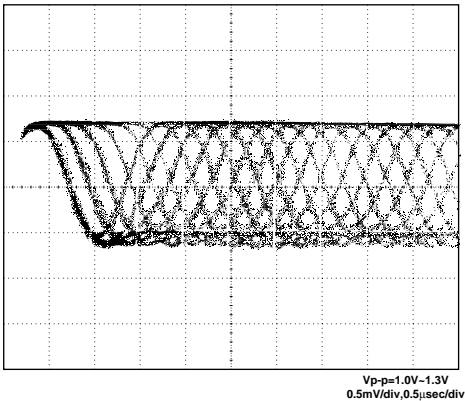


Figure 42-3

(2) Tracking system check

Check the TE waveform at pin 15 on IC1.

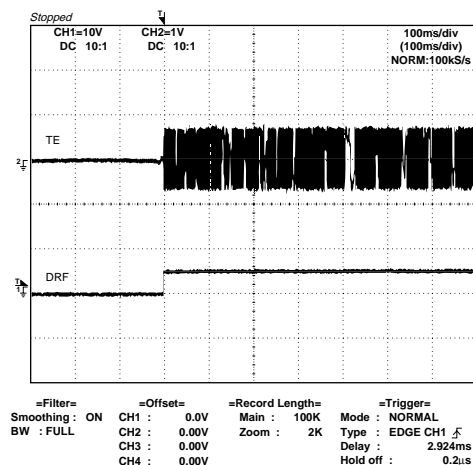
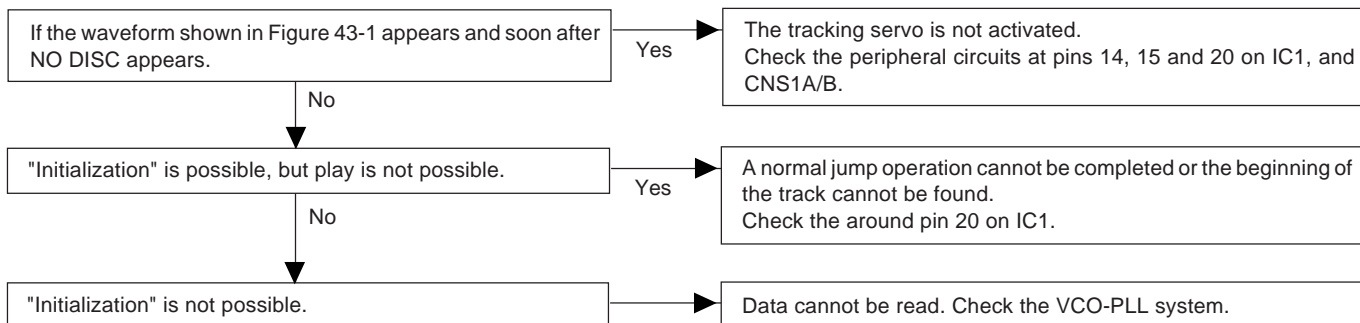


Figure 43-1

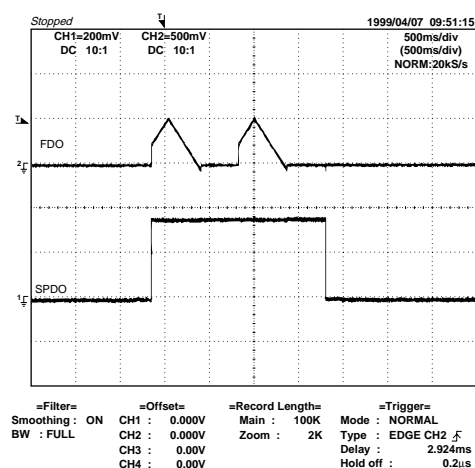
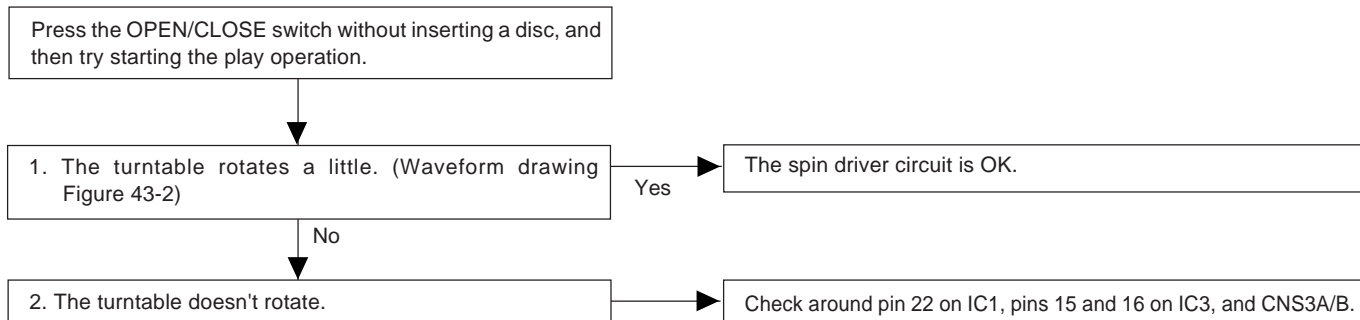
(3) Spin system check

Figure 43-2

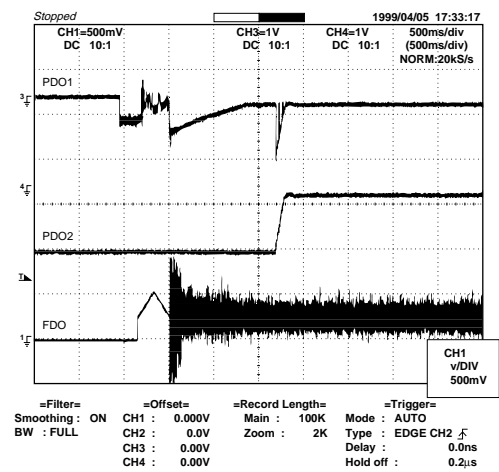
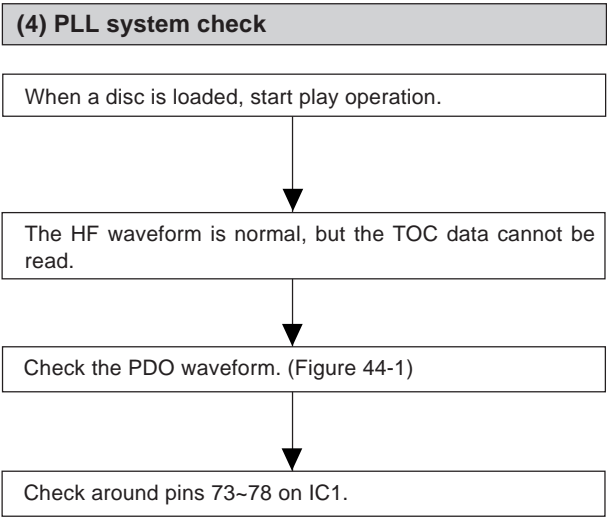


Figure 44-1

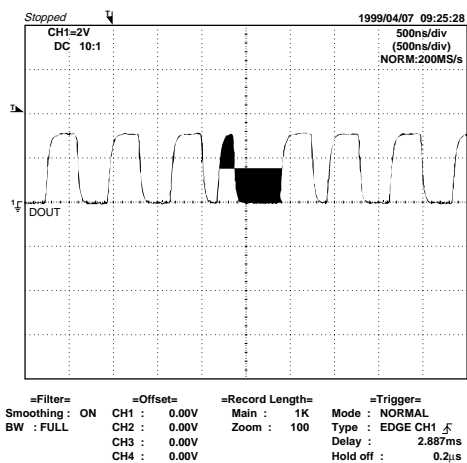
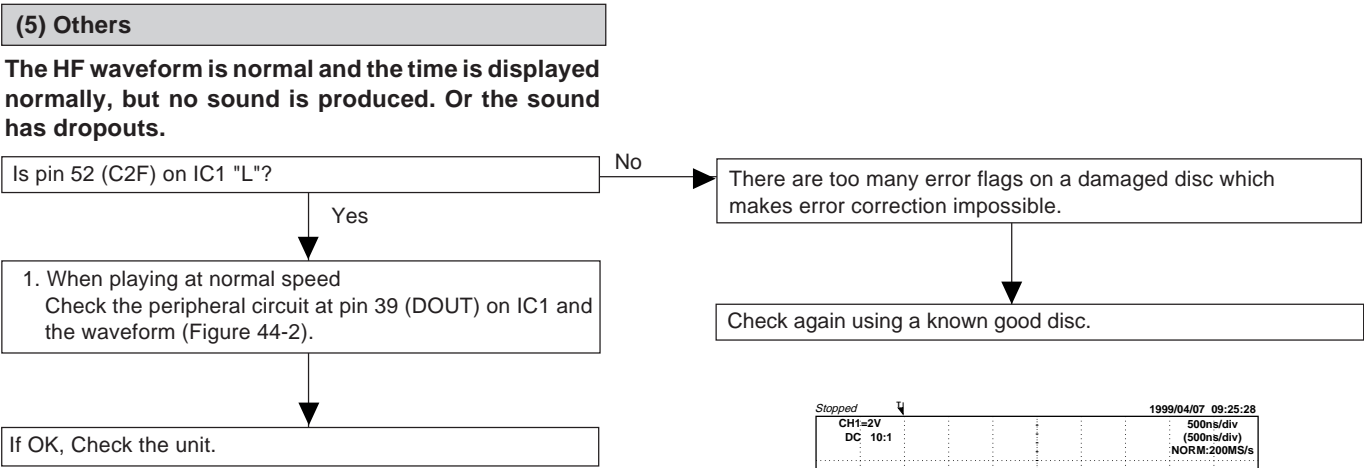


Figure 44-2

FUNCTION TABLE OF IC

IC1 VHiLC78645E-1: CD Servo (LC78645E) (1/2)

Pin No.	Terminal Name	Input/Output	Setting in Reset	Function	
1	SLC0	Output	—	For slice level control.	Control output.
2	SLCIST	Input	—		Resistor connection terminal for SLC0 output current setting.
3	EFMIN	Input	—		RF signal input terminal.
4	RF	Output	—	RF signal monitor terminal.	
5	RFVDD	—	—	RF power terminal.	
6	RFVSS	—	—	RF earth terminal. To be connected to 0V.	
7	FIN1	Input	—	A+C signal input terminal.	
8	FIN2	Input	—	B+D signal input terminal.	
9	TIN1	Input	—	E signal input terminal.	
10	TIN2	Input	—	F signal input terminal.	
11	VREF	Output	RFVDD/2	VREF voltage output terminal.	
12	REFI	Input	—	Reference supply setting terminal.	
13*	FE	Output	ZHI	FE signal monitor terminal.	
14	TEC	Output	—	LPF capacitor connection terminal for TE signal.	
15*	TE	Output	ZHI	TE signal monitor terminal.	
16*	RFMON	Output	ZHI	RF internal signal monitor terminal.	
17	JITTC	—	—	Capacitor connection terminal for jitter detection.	
18	ADAVDD	—	—	Power terminal for servo A/D, D/A.	
19	ADAVSS	—	—	Earth terminal for servo A/D, D/A. To be connected to 0V.	
20	TD0	Output	ADAVDD/2	Output terminal for tracking control. D/A output.	
21	FD0	Output	ADAVDD/2	Output terminal for focus control. D/A output.	
22	SPD0	Output	ADAVDD/2	Output terminal for spindle control. D/A output.	
23	SLD0	Output	ADAVDD/2	Output terminal for sled control. D/A output.	
24*	GPDAC	Output	ADAVDD/2	Servo D/A general-purpose output terminal.	
25	CONT4	Input/Output	Input Mode	General-purpose I/O terminal 4.	Controlled by commands from the microcomputer. When not used, set them as input terminals and connect to 0V, or set them as output terminals and leave open.
26	CONT5	Input/Output	Input Mode	General-purpose I/O terminal 5.	
27*	SBCK/CONT6	Input/Output	Input Mode	General-purpose I/O terminal 6 or Subcode reading clock input terminal.	
28	SBCK/FG	Input	—	Subcode reading clock input terminal/FG signal input terminal/external emphasis setting terminal. Terminal functions are set by commands. When not used, connect to 0V.	
29*	DEFECT	Output	L	Defect terminal.	
30*	V/*P	Output	H	Auto switching monitor output terminal for rough servo phase control. “H”: rough servo, “L”: phase servo.	
31*	FSEQ	Output	L	Sync signal detection output terminal. The status changes to “H” when the sync signal detected in EFM and the sync signal of internal generation are identified.	
32*	MONI1	Output	L	Internal signal monitor terminal 1.	
33*	MONI2	Output	L	Internal signal monitor terminal 2.	
34*	MONI3	Output	L	Internal signal monitor terminal 3.	
35*	MONI4	Output	L	Internal signal monitor terminal 4.	
36*	MONI5	Output	L	Internal signal monitor terminal 5.	
37	VSS	—	—	Digital system earth terminal. To be connected to 0V.	
38	VDD	—	—	Digital system power terminal.	
39	DOUT	Output	L	Digital OUT output terminal. (EIAJ format)	
40	TEST	Input	L	Input terminal for test. To be connected to 0V.	
41	LVDD	—	—	Left channel D/A converter	Power supply for Left channel.
42	LCH0	Output	LVDD/2		Left channel output.
43	LVSS	—	—		GND for Left channel. Must be connected to 0V.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

CD-BA300

IC1 VHiLC78645E-1: CD Servo (LC78645E) (2/2)

Pin No.	Terminal Name	Input/Output	Setting in Reset	Function	
44	RVSS	—	—	Right channel D/A converter	GND for Right channel. Must be connected to 0V.
45	RCHO	Output	LVDD /2		Right channel output.
46	RVDD	—	—		Power supply for Right channel.
47	XVDD	—	—	Crystal Oscillator	Power supply for crystal oscillator.
48	XOUT	Output	—		Connected for the 33.8688MHz crystal oscillator ciement.
49	XIN	Input	—		
50	FSX/16MIN	Input/Output	Input	7.35kHz Synchronization signal monitor port. or Clock input port for Digital filter & D/A	
51	XVSS	—	—	Crystal Oscillator	GND for crystal oscillator. Must be connected to 0V.
52*	C2F	Output	H	C2 FLAG monitor port.	
53*	EFLG	Output	L	C1, C2 error corrected monitor port.	
54*	16MOUT	Output	Clock	16.9344MHz output port.	
55	ASLRCK	Input	—	Anti-shock	Word clock input port. (If this port does not use, must be connect to 0V.)
56	ASDACK	Input	—		Bit clock input port. (If this port does not use, must be connect to 0V.)
57	ASDFIN	Input	—		Left/Right channel data input port. (If this port does not use, must be connect to 0V.)
58*	LRSY	Output	L	Digital data	Word clock output port.
59*	DATAACK	Output	L		Bit clock output port.
60*	DATA	Output	L		Left/Right channel data output port.
61	CE	Input	—	Microcomputer Interface	Chip enable signal input port.
62	CL	Input	—		Data transfer clock input port.
63	DI	Input	—		Data input port.
64	DO	Output	(H)		Data output port. (N-ch. open drain output.)
65	*WRQ	Output	H		Interruption signal output.
66	*RES	Input	—	Chip reset signal input port. This port must be set LOW after first applied power on.	
67	DRF	Output	L	Focus detection output port.	
68	VDD5	—	—	Power supply for Microprocessor.	
69	VSS	—	—	GND for digital circuit. Must be connected to 0V.	
70	CONT3	Input/Output	Input	General purpose port 1.	Controlled with serial data command from micro-computer. When not used, General purpose input/output terminal 7. set it as the input terminal and open it by connecting to 0V, or set it as the output terminal and open it.
71	CONT2	Input/Output	Input	General purpose port 2.	
72*	CONT1	Input/Output	Input	General purpose port 3.	
73	PDO1	Output	—	PLL	Internal VCO control phase comparator output port 1.
74	PDO2	Output	Input		Internal VCO control phase comparator output port 2.
75	VVSS	—	—		GND for internal VCO.Must be connected to 0V.
76	PCKIST	Input	—		PDO output current adjustment resistor connection port.
77	VVDD	—	—		Power supply for internal VCO.
78	FR	Input	—		VCO frequency range adjustment port.
79	LDS	Input	—	LASER power detected signal input port.	
80	LDD	Output	—	LASER power control signal output port.	

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

Be sure to supply the same potential to each power terminal. (VVDD,ADAVDD,VDD,LVDD,RVDD,XVDD)

Terminal witch is controlled by the power terminal (VDD5V) for a microcomputer interface :

CE (61pin), CL (62pin), DI (63pin), DO (64pin), WRQ (65pin), RES 66pin), DRF (67pin)

IC1 VHiLC78645E-1: CD Servo (LC78645E)

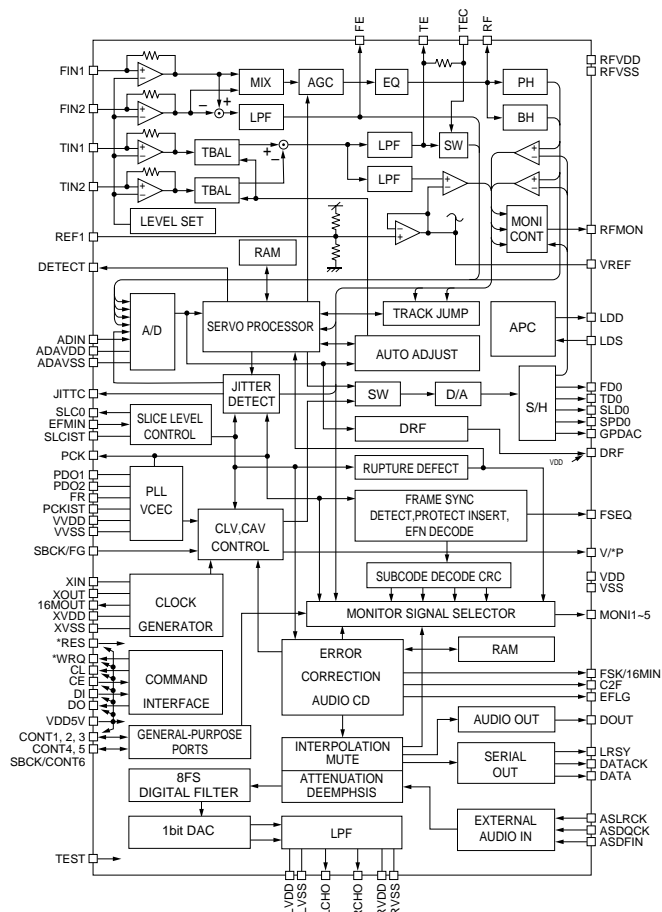
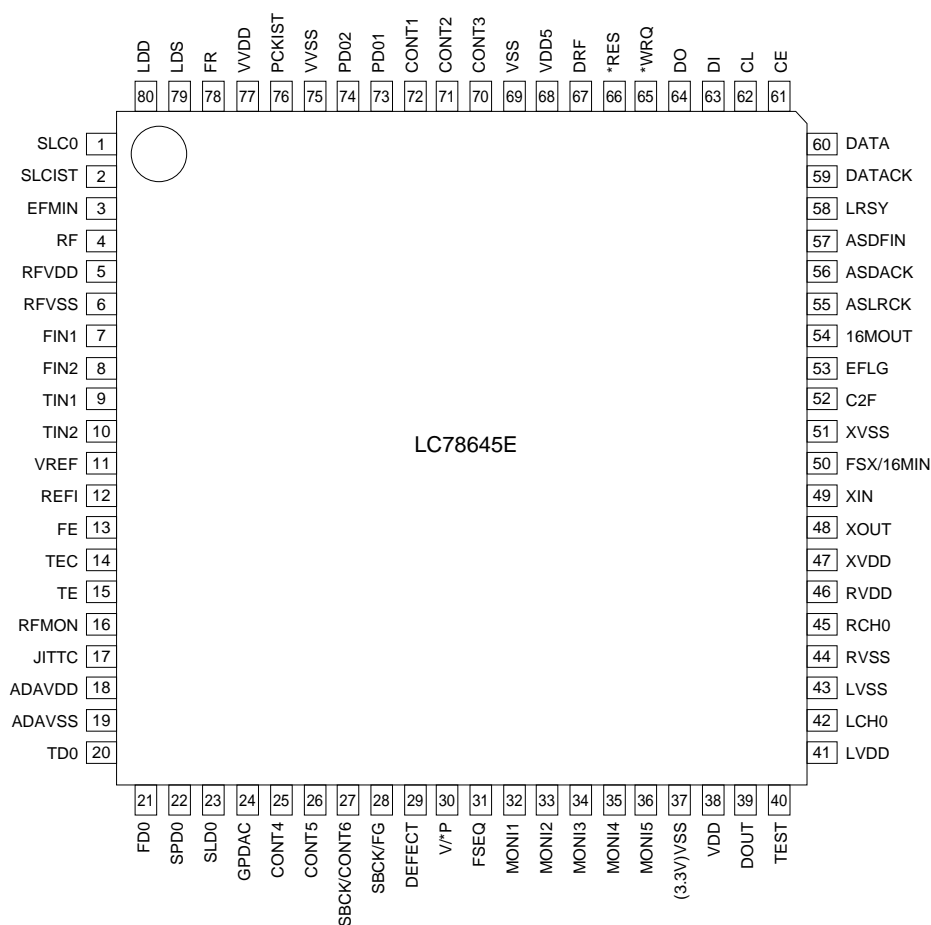


Figure 47 BLOCK DIAGRAM OF IC

CD-BA300

IC701 RH-iX0398AWZZ: System Microcomputer (IX0398AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	VDD	VDD	—	(+) POWER SUPPLY
2	P37	-20d BATT	Output	-20dB ATTENUATOR
3	P36	NO USE	Output	GND
4	P35	T_BIAS	Output	TAPE RECORD BIAS
5	P34	T_T1/T2	Output	TAPE T1/T2 CHANGE
6	P33	REC/PLAY	Output	TAPE REC/PLAY CHANGE
7	P32	RES OUT	Output	CD DSP RESET&MPEG MICROCOMPUTER RESET
8	P31	DRF	Input	CD RF LEVEL DETECTION
9	P30	WRQ	Input	CD DSP WRITE REQUEST
10	RESET	RESET	Input	MICROCOMPUTER RESET
11	X2	X2	Output	MAIN CLOCK
12	X1	X1	Input	MAIN CLOCK
13	VPP/IC	VPP/IC	—	GND
14*	XT2	XT2	—	OPEN
15	P04	SPN	Input	TUNER SPAN CHANGE
16	VDD	VDD	—	(+) POWER SUPPLY
17	P27	CD CLK	Output	CD DSP CLOCK/MPEG MICROCOMPUTER CLOCK
18	P26	CD DI	Output	CD DSP COMMAND/MPEG MICROCOMPUTER COMMAND
19	P25	CD DO	Input	CD DSP CODE Q OUT/MPEG MICROCOMPUTER DATA INPUT
20	P24	CD CE	Output	CD DSP CE OUTPUT
21	P23	CE	Output	CE OUTPUT
22	P22	CLK	Output	CLOCK OUTPUT
23	P21	DI	Output	DATA OUTPUT
24	P20	DO	Input	DATA INPUT
25	AVSS	AVSS	—	ANALOG GROUND
26	ANI7	O/C SW	Input	CD OPEN/CLOSE SWITCH
		DISC NO SW	Input	CD DISC NUMBER SWITCH
27	ANI6	SPEANA3	Input	SPEANA DATA INPUT L, R 16 kHz
28	ANI5	SPEANA2	Input	SPEANA DATA INPUT L, R 63 Hz
29	ANI4	SPEANA1	Input	SPEANA DATA INPUT R-CH 1 kHz
30	ANI3	SPEANA0	Input	SPEANA DATA INPUT L-CH 1 kHz
31-33	ANI2-ANI0	KEY 2-KEY 0	Input	KEY INPUT
34	AVDD	AVDD	—	ANALOG VDD
35	AVREF	AVREF	—	ANALOG REF VOLTAGE
36	INTP3	P-IN	Input	
37	INTP2	JOG 1	Input	KEY JOG INPUT 1
38	INTP1	JOG 0	Input	KEY JOG INPUT 2
39	INTP0	REMOCON	Input	REMOCON INPUT
40	VSS	VSS	—	GROUND VOLTAGE
41	P74	SMUTE	Output	SYSTEM MUTE CONTROL
42	P73	T_SOL B	Output	TAPE 2 SOLENOID CONTROL
43	P72	T_SOL A	Output	TAPE 1 SOLENOID CONTROL
44	P71	T_MOTOR	Output	TAPE MOTOR CONTROL
45	P70	TIMER LED	Output	TIMER LED CONTROL
46	VDD	VDD	—	(+) POWER SUPPLY
47*	P127	AC RLY_CONT	Output	AC RELAY CONTROL
48	P126	SP RLY	Output	SPEAKER OUTPUT RELAY CONTROL
49	P125	SP DET	Input	SPEAKER OUTPUT DETECTION
50	P124	T1 RUN	Input	TAPE 1 RUN PULSE INPUT
51	P123	T2 RUN	Input	TAPE 2 RUN PULSE INPUT
52	P122	CD CLAMP SW	Input	CD CHANGER CLAMP SWITCH
53	P121	NO USE	Input	OPEN

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iX0398AWZZ: System Microcomputer (IX0398AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
54	P120	PLAY SW_B	Input	PLAY SWITCH FOR T2
55	P119	FPA	Input	TAPE 2 A-SIDE FULL PROOF
56	P116	STOP LED	Output	STOP LED
57*	P115	PLAY FWD LED	Output	PLAY FORWARD LED
58*	P114	LCK0	Output	LED DRIVER LCK
59	P113	DIST_OUT	Output	DESTINATION OUTPUT/SWITCH OUTPUT
60-65	FIP39-FIP34	P25-P20	Output	FL DISPLAY SEGMENT DRIVER
66	FIP33	P19	Output	
67	P103	DIST3	Input	DESTINATION INPUT
	FIP32	P18	Output	FL DISPLAY SEGMENT DRIVER
68	P102	DIST2	Input	DESTINATION INPUT
	FIP31	P17	Output	FL DISPLAY SEGMENT DRIVER
69	P101	DIST1	Input	DESTINATION INPUT
	FIP30	P16	Output	FL DISPLAY SEGMENT DRIVER
70	P100	DIST0	Input	DESTINATION INPUT
	FIP29	P15	Output	FL DISPLAY SEGMENT DRIVER
71-78(76*)	FIP28-FIP21	P14-P7	Output	FL DISPLAY SEGMENT DRIVER
79	VLOAD	VLOAD	—	FL DRIVER (-) POWER SUPP. -30V
80-85	FIP20-FIP15	P6-P1	Output	FL DISPLAY SEGMENT DRIVER
86-100	FIP14-FIP0	G15-G1	Output	FL DISPLAY SEGMENT DRIVER

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC601 VHiLC75341/-1: Audio Processor (LC75341)

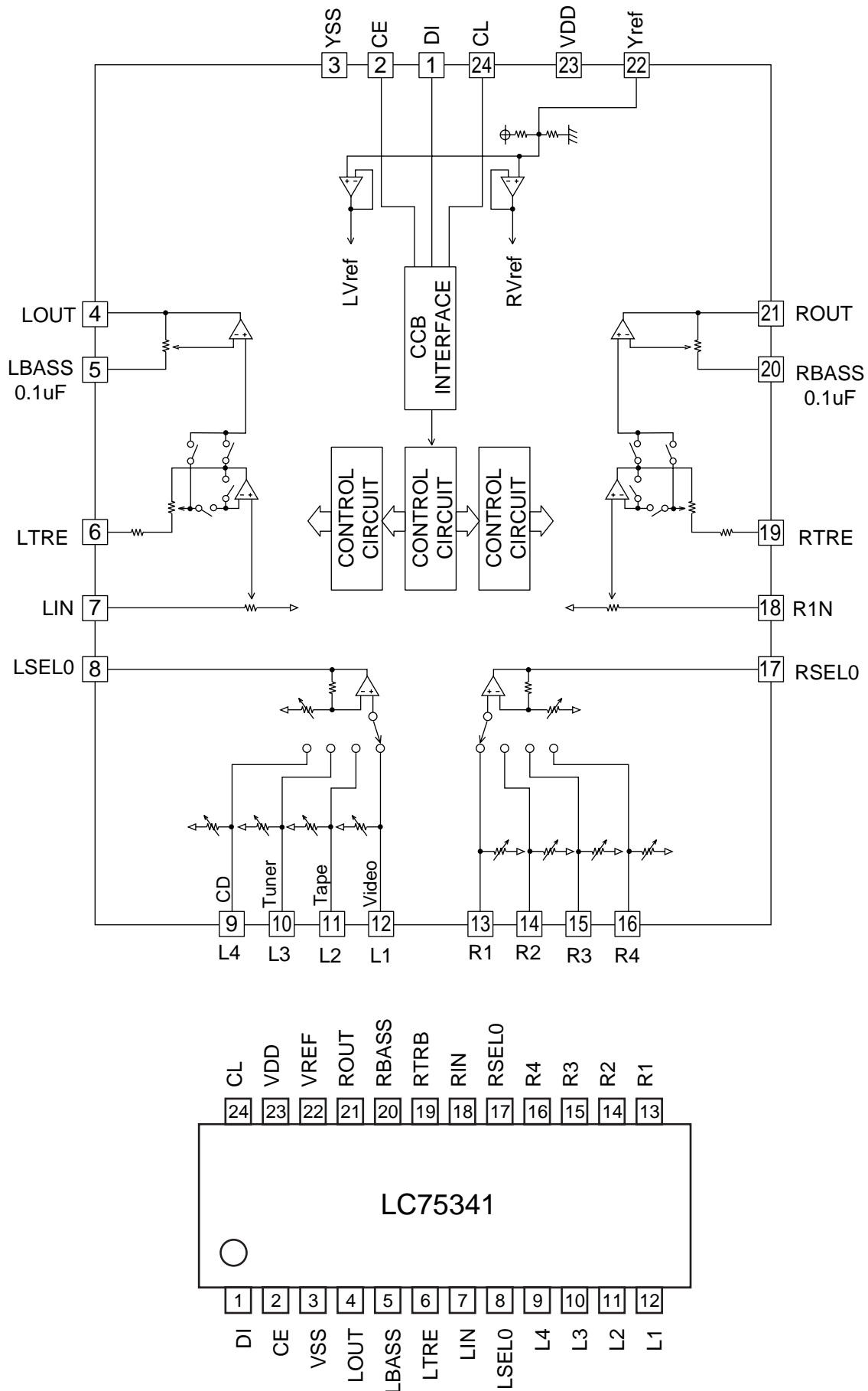
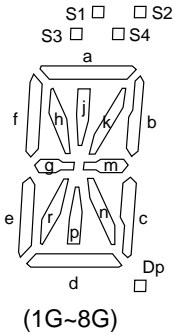
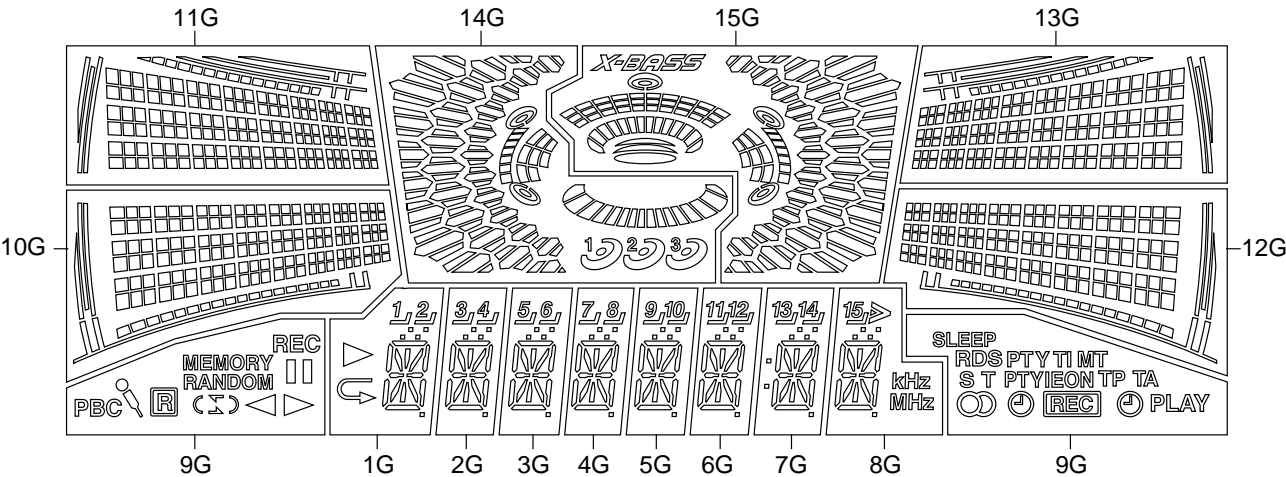


Figure 50 BLOCK DIAGRAM OF IC

LCD DISPLAY

FL701 VVKBJ744GNK-1: FL Display



PIN CONNECTION

PIN NO.	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	15G	14G	13G	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	NP	F1	F1	F1

PIN NO.	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21
CONNECTION	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NX	NX	NX	NX	NX	NX	NX	NX

PIN NO.	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
CONNECTION	F2	F2	F2	NP	NP	P25	P24	P23	P22	P21	P20	P19	P18	P17	P16	P15	P14	P13

CD-BA300

— MEMO —

SHARP PARTS GUIDE

MINI COMPONENT SYSTEM

MODEL CD-BA300

CD-BA300 Mini Component System consisting of
CD-BA300 (main unit), CP-BA300 (speaker system).

“HOW TO ORDER REPLACEMENT PARTS”

To have your order filled promptly and correctly, please furnish the following information.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. No. |
| 3. PART NO. | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

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For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

VCC Ceramic type
VCK..... Ceramic type
VCT Semiconductor type
VC •• MF Cylindrical type (without lead wire)
VC •• MN Cylindrical type (without lead wire)
VC •• TV Square type (without lead wire)
VC •• TQ Square type (without lead wire)
VC •• CY Square type (without lead wire)
VC •• CZ Square type (without lead wire)
VC J .. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD Carbon-film type
VRS Carbon-film type
VRN Metal-film type
VR •• MF Cylindrical type (without lead wire)
VR •• MN Cylindrical type (without lead wire)
VR •• TV Square type (without lead wire)
VR •• TQ Square type (without lead wire)
VR •• CY Square type (without lead wire)
VR •• CZ Square type (without lead wire)
VR J .. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:

Parts marked with “⚠” are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

CD-BA300

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CD-BA300				
INTEGRATED CIRCUITS				
IC1	VHILC78645E-1	J	AY	CD Servo,LC78645E
IC2	VHIM63001FP-1	J	AX	Focus/Tracking/Spin/Sled Driver,M63001FP
IC101	VHIAN7345K/-1	J	AM	Playback and Record/Playback Amp.,AN7345K
IC301	VHITA7358AP-1	J	AG	FM Front End,TA7358AP
IC302	VHILC72131/-1	J	AP	PLL (Tuner),LC72131
IC303	VHILA1832S/-1	J	AN	FM IF Det./FM Mpx./AM IF,LA1832S
IC601	VHILC75341/-1	J	AM	Audio Processor,LC75341
IC701	RH-IX0398AWZZ	J	AW	System Microcomputer, IX0398AW
IC702~704	VHIKIA4558P-1	J	AC	Ope Amp.,KIA4558P
IC901	VHISTK40271-1	J	AZ	Power Amp.,STK40271
IC902	VHISTK4029S-1	J	BA	Power Amp.,STK4029S
IC903	VHIKIA4558P-1	J	AC	Ope Amp.,KIA4558P

TRANSISTORS

Q1	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q2	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q3	VSKRC102M/-1	J	AC	Digital,NPN,KRC102 M
Q103~106	VS2SC1845F/-1	J	AC	Silicon,NPN,2SC1845 F
Q107,108	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q109	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q110,111	VSKRC104M/-1	J	AC	Digital,NPN,KRC104 M
Q121,122	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q124	VS2SA1015GR-1	J	AB	Silicon,PNP,2SA1015 GR
Q126	VSKRC104M/-1	J	AC	Digital,NPN,KRC104 M
Q128	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q302	VSKTC3194Y/-1	J	AD	Silicon,NPN,KTC3194 Y
Q360	VSKTA1266GR-1	J	AB	Silicon,PNP,KTA1266 GR
Q603~606	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q701~703	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q704,705	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y
Q706,707	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q708	VSKTA1273Y/-1	J	AE	Silicon,PNP,KTA1273 Y
Q709	VSKRC102M/-1	J	AC	Digital,NPN,KRC102 M
Q710~712	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q801	VSKTA1274Y/-1	J	AE	Silicon,PNP,KTA1274 Y
Q821	VHIAN78L05/-1	J	AE	Constant Voltage Regulator, AN78L05
Q850	VSKTC2026/-1	J	AF	Silicon,NPN,KTC2026
Q851	VHIKIA7810AP1	J	AF	Voltage Regulator,KIA7810 AP
Q852	VHIKIA7805AP1	J	AF	Constant Voltage Regulator, KIA7805 AP
Q901~909	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q910	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q990	VSKRC107M/-1	J	AC	Digital,NPN,KRC107 M
Q991	VSKRA107M/-1	J	AE	Digital,PNP,KRA107 M

DIODES

D1,2	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D305	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D601,602	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D701~706	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D712,713	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D718	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D720~723	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D802,803	VHDT56B04GM-1	J	AP	Silicon,TS6B04GM
D804~810	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D816	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D818	VHDDS1N404S-1	J	AB	Silicon,DS1N404S
D901~907	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D909	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
LED701,702	VHP4204UYT7-1	J	AD	LED, Yellow,4204UYT7
LED722	VHP4204SRT7-1	J	AD	LED,Red,4204SRT7
ZD1	VHEDZ3R3BSB-1	J	AB	Zener,3.3V,DZ3.3BSB
ZD2	VHEDZ3R9BSB-1	J	AC	Zener,3.9V,DZ3.9BSB
ZD351	VHEDZ5R1BSB-1	J	AC	Zener,5.1V,DZ5.1BSB
ZD701	VHEDZ6R2BSB-1	J	AC	Zener,6.2V,DZ6.2B
ZD801	VHEDZ360BSC-1	J	AB	Zener,36V,DZ36BSC
ZD802	VHEDZ6R2BSA-1	J	AB	Zener,6.2V,DZ6.2BSA
ZD803	VHEDZ130BSC-1	J	AB	Zener,13V,DZ13C
ZD804	VHEDZ110BSB-1	J	AB	Zener,11V,DZ11BSB

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
ZD851	VHEDZ2R4BSB-1	J	AB	Zener,2.4V,DZ2.4BSB

FILTERS

BF301	RFILR0008AWZZ	J	AE	Band Pass Filter
CF303	RFILF0124AFZZ	J	AD	FM IF,10.7 MHz
CF351	RFILF0003AWZZ	J	AK	FM IF
CF352	RFILA0009AWZZ	J	AE	AM IF

TRANSFORMERS

T301	RCILB0065AWZZ	J	AC	FM,OSC
T302	RCIL10017AWZZ	J	AB	FM IF
T303	RCILA0052AWZZ	J	AE	AM Tracking
T306	RCILB0067AWZZ	J	AD	AM,OSC
T351	RCIL10019AWZZ	J	AD	AM IF
△ T801	RTRNP0348AWZZ	J	BF	Power

COILS

L1	VP-XHR82K0000	J	AC	0.82 μH
L103	VP-DH101K0000	J	AB	100 μH,Choke
L104	VP-MK331K0000	J	AB	330 μH,Choke
L312	RCILR0056AWZZ	J	AB	FM RF
L351,352	VP-DH101K0000	J	AB	100 μH,Choke
L902~905	RCILZ0137AFZZ	J	AA	0.29 μH

VARIABLE CAPACITORS

VD301	VHCSVC348S/-1	J	AK	Variable Capacitance,SVC348S
VD302,303	VHCSVC211C/-1	J	AG	Variable Capacitance,SVC211C

VIBRATORS

X351	92LCRSTL1425A	J	AF	Crystal,456 kHz
X352	RCRSP0015AWZZ	J	AF	Crystal,4.5 MHz
XL1	RCRM-0041AWZZ	J	AF	Ceramic
XL701	RCRSP0003AWZZ	J	AH	Crystal,4.1943MHz

CAPACITORS

C1	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C2	VCTYMN1CY103N	J	AA	0.01 μF,16V
C3	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C4	VCKYMN1HB102K	J	AA	0.001 μF,50V
C5	VCQYKA1HM473J	J	AB	0.047 μF,50V,Mylar
C6	VCTYPA1CX104K	J	AB	0.1 μF,16V
C7	VCKYMN1HB101K	J	AA	100 pF,50V
C8	VCTYMN1CX472K	J	AA	0.0047 μF,16V
C9	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C10	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C11	VCEAZA1HW224M	J	AB	0.22 μF,50V,Electrolytic
C12	VCCSPA1HL101J	J	AA	100 pF,50V
C13	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C14	RC-EZY107AF1A	J	AB	100 μF,10V,Electrolytic
C16	VCEAEA0JW337M	J	AD	330 μF,6.3V,Electrolytic
C17	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C18	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C23,24	RC-EZY106AF1H	J	AB	10 μF,50V,Electrolytic
C25,26	VCTYMN1CX152K	J	AA	0.0015 μF,16V
C27	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C28	VCKYMN1HB101K	J	AA	100 pF,50V
C30	VCKYMN1HB101K	J	AA	100 pF,50V
C32~34	VCKYMN1HB101K	J	AA	100 pF,50V
C35	VCQYKA1HM473J	J	AB	0.047 μF,50V,Mylar
C36	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C37	VCTYPA1CX104K	J	AB	0.1 μF,16V
C38	VCTYMN1CY103N	J	AA	0.01 μF,16V
C39	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C40	VCEAZA0JW227M	J	AC	220 μF,6.3V,Electrolytic
C41	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic
C42	VCKYMN1HB102K	J	AA	0.001 μF,50V
C44	VCKYMN1HB102K	J	AA	0.001 μF,50V
C48	VCKYPA1HB102K	J	AA	0.001 μF,50V
C49	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C50	VCCCPA1HH220J	J	AA	22 pF (CH),50V
C51	VCTYBT1EF223Z	J	AA	0.022 μF,25V
C101,102	VCKYMN1HB561K	J	AA	560 pF,50V
C105	VCKYBT1HB181K	J	AA	180 pF,50V

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
C106	VCKYMN1HB181K	J	AA	180 pF,50V	C603	VCQYKA1HM102K	J	AA	0.001 μF,50V,Mylar
C107,108	VCKYMN1HB561K	J	AA	560 pF,50V	C604	VCYTMN1EF223Z	J	AA	0.022 μF,25V
C109	VCKZPA1HF473Z	J	AA	0.047 μF,50V	C606	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic
C111~114	VCKYMN1HB331K	J	AA	330 pF,50V	C607~610	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C115,116	VCEAZA1EW107M	J	AB	100 μF,25V,Electrolytic	C611,612	VCYTMN1CX272K	J	AA	0.0027 μF,16V
C117,118	VCTYPA1EX333K	J	AA	0.033 μF,25V	C613,614	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C119,120	VCKYMN1HB561K	J	AA	560 pF,50V	C615,616	VCKYMN1HB102K	J	AA	0.001 μF,50V
C121,122	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C617~620	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C123,124	VCTYPA1CX222K	J	AA	0.0022 μF,16V	C621,622	VCEAZA1HW475M	J	AB	4.7 μF,50V,Electrolytic
C127	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C623~630	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C128	VCEAZA1EW476M	J	AB	3.3 μF,50V,Electrolytic	C631,632	VCKYMN1HB391K	J	AA	390 pF,50V
C131,132	VCKYMN1HB271K	J	AA	270 pF,50V	C635,636	VCKYMN1HB102K	J	AA	0.001 μF,50V
C133,134	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic	C641,642	VCTYPA1CX332K	J	AA	0.0033 μF,16V
C135,136	VCKZPA1HF223Z	J	AA	0.022 μF,50V	C714	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C139,140	VCTYMN1CX332K	J	AA	0.0033 μF,16V	C715	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C141,142	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C719	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C145	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic	C720,721	VCKYMN1HB102K	J	AA	0.001 μF,50V
C146	VCEAZA1AW227M	J	AC	220 μF,10V,Electrolytic	C722	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C150	VCQPKA2AA822J	J	AA	0.0082 μF,100V,Polypropylene	C723	VCCSMN1HL150J	J	AA	15 pF,50V
C151	VCQYKA1HM393K	J	AB	0.039 μF,50V,Mylar	C724	VCCSMN1HL180J	J	AA	18 pF,50V
C152	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C725	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C153	VCEAZA1CW107M	J	AC	100 μF,16V,Electrolytic	C726	VCEAZA1AW227M	J	AC	220 μF,10V,Electrolytic
C154	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar	C728	VCTYMN1CY103N	J	AA	0.01 μF,16V
C303	VCCCMN1HH100J	J	AA	10 pF (CH),50V	C729	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic
C304	VCTYMN1CY103N	J	AA	0.01 μF,16V	C732	VCTYMN1EF223Z	J	AA	0.022 μF,25V
C305	VCCCMN1HH4R7C	J	AA	4.7 pF (CH),50V	C733	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C306	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C801,802	VCEAZW1HW228M	J	AH	2200 μF,50V,Electrolytic
C307	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic	C803~806	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C308	VCCUMN1HJ4R7D	J	AA	4.7 pF (UJ),50V	C807,808	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C309	VCKYMN1HB102K	J	AA	0.001 μF,50V	C809	VCEAZV1JW227M	J	AC	220 μF,63V,Electrolytic
C310	VCCCMN1HH150J	J	AA	15 pF (CH),50V	C810,811	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C311	VCCSMN1HL180J	J	AA	18 pF,50V	C812	VCEAZA1VW107M	J	AC	100 μF,35V,Electrolytic
C312	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C813,814	RC-EZ0027AWZZ	J	AN	3300 μF,63V,Electrolytic
C313	VCCCMN1HH220J	J	AA	22 pF (CH),50V	C815	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C314,315	VCTYMN1CX472K	J	AA	0.0047 μF,16V	C816	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C316	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C820	VCEAZV1EW228M	J	AG	2200 μF,25V,Electrolytic
C317	VCKYMN1HB102K	J	AA	0.001 μF,50V	C828,829	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C318	VCKYMN1HB101K	J	AA	100 pF,50V	C830	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C323	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C832,833	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C324	VCCUMN1HJ3R9K	J	AA	3.9 pF (UJ),50V	C834	VCEAZV1JW107M	J	AC	100 μF,63V,Electrolytic
C330	VCCSMN1HL150J	J	AA	15 pF,50V	C835	VCEAZW1CW478M	J	AG	4700 μF,16V,Electrolytic
C331	VCKZPA1HF473Z	J	AA	0.047 μF,50V	C851	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic
C332	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C852	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C334	VCCUMN1HJ270J	J	AA	27 pF (UJ),50V	C855,856	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C335	VCKYMN1HB561K	J	AA	560 pF,50V	C857	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C342	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C858,859	VCQYKA1HM473K	J	AB	0.047 μF,50V,Mylar
C350,351	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C860	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C352	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic	C901,902	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C353,354	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C903,904	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C355	VCCSMN1HL220J	J	AA	22 pF,50V	C905	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C356	VCKYMN1HB102K	J	AA	0.001 μF,50V	C906,907	VCCSPA1HL221J	J	AA	220 pF,50V
C357	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic	C908	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C358	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C909,910	VCCSPA1HL150J	J	AA	15 pF,50V
C361	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C911	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C362	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic	C912	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C363	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C914	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C364	VCEAZA1CW475M	J	AB	4.7 μF,16V,Electrolytic	C918,919	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C365	VCKZPA1HF223Z	J	AA	0.022 μF,50V	C920,921	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C366	VCKYMN1HB102K	J	AA	0.001 μF,50V	C922,923	VCEAZA1HW107M	J	AC	100 μF,50V,Electrolytic
C367,368	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C924,925	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C369	VCCSMN1HL270J	J	AA	27 pF,50V	C926,927	VCCSPA1HL221J	J	AA	220 pF,50V
C370~372	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C928,929	VCCSPA1HL150J	J	AA	15 pF,50V
C373,374	VCTYPA1CX153K	J	AA	0.015 μF,16V	C930,931	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic
C380	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic	C932	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C381	VCCCMN1HH120J	J	AA	12 pF (CH),50V	C935,936	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C382	VCCCMN1HH150J	J	AA	15 pF (CH),50V	C937	VCEAZA1HW476M	J	AB	47 μF,50V,Electrolytic
C385	VCTYMN1CY103N	J	AA	0.01 μF,16V	C938	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C386	VCKYMN1HB331K	J	AA	330 pF,50V	C939,940	VCIFYDA1HA224J	J	AB	0.22 μF,50V
C387	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C941,942	VCTYPA1CX153K	J	AA	0.015 μF,16V
C388	VCKYMN1HB102K	J	AA	0.001 μF,50V	C943,944	VCCSPA1HL221J	J	AA	220 pF,50V
C391	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C945,946	VCIFYDA1HA154J	J	AB	0.15 μF,50V,Polyester
C392	VCKYMN1HB102K	J	AA	0.001 μF,50V	C947,948	VCCSPA1HL101J	J	AA	100 pF,50V
C393	VCEAZA1HW105M	J	AB	1 μF,50V,Electrolytic	C949,950	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C394	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic	C951,952	VCEAZA1HW106M	J	AB	10 μF,50V,Electrolytic
C395	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C953	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C396	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic	C954,955	VCIFYDA1HA224J	J	AB	0.22 μF,50V
C397	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C956	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
C398	VCEAZA1AW107M	J	AB	100 μF,10V,Electrolytic	C957	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C399	VCTYMN1EF223Z	J	AA	0.022 μF,25V	C958,959	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
C401	VCCSPA1HL150J	J	AA	15 pF,50V	C960,961	VCQYKA1HM104K	J	AB	0.1 μF,50V,Mylar
C601	VCKZPA1HF223Z	J	AA	0.022 μF,50V	C986	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C602	VCEAZA1HW226M	J	AB	22 μF,50V,Electrolytic	C990	VCEAZA1HW335M	J	AB	3.3 μF,50V,Electrolytic

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NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
CS701,702	VCKYMN1HB271K	J	AA	270 pF,50V
CS703,704	VCTYMN1CX682K	J	AA	0.0068 μF,16V
CS705~709	VCTYMN1EF223Z	J	AA	0.022 μF,25V
CS710	VCEAZA1EW476M	J	AB	47 μF,25V,Electrolytic
CS711	VCTYMN1CX272K	J	AA	0.0027 μF,16V
CS712~714	VCTYMN1CX272K	J	AA	0.0027 μF,16V
CS715,716	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic
CS717	VCTYMN1EF223Z	J	AA	0.022 μF,25V
CS718,719	VCEAZA1HW225M	J	AB	2.2 μF,50V,Electrolytic

RESISTORS

	VRD-MN2BD000C	J	AA	0 ohm, Jumper, ø1.4x3.5mm, Ivory
R1,2	VRD-ST2CD123J	J	AA	12 kohms, 1/6W
R3	VRD-ST2CD333J	J	AA	33 kohms, 1/6W
R4,5	VRD-ST2CD123J	J	AA	12 kohms, 1/6W
R6	VRD-ST2CD333J	J	AA	33 kohms, 1/6W
R7	VRD-ST2CD470J	J	AA	47 ohms, 1/6W
R9	VRD-ST2CD3R3J	J	AA	3.3 ohms, 1/6W
R10	VRD-ST2CD273J	J	AA	27 kohms, 1/6W
R11	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R12	VRD-MN2BD331J	J	AA	330 ohms, 1/8W
R13~17	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R18	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R19	VRD-ST2CD153J	J	AA	15 kohms, 1/6W
R20	VRD-ST2CD103J	J	AA	10 kohm, 1/6W
R22	VRD-ST2CD101J	J	AA	100 ohm, 1/6W
R23	VRD-MN2BD221J	J	AA	220 ohms, 1/8W
R24,25	VRD-MN2BD222J	J	AA	2.2 kohms, 1/8W
R26,27	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R28,29	VRD-ST2CD222J	J	AA	2.2 kohms, 1/6W
R30	VRD-ST2CD822J	J	AA	8.2 kohms, 1/6W
R31~38	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R39,40	VRD-MN2BD681J	J	AA	680 ohms, 1/8W
R41	VRD-MN2BD123J	J	AA	12 kohms, 1/8W
R42	VRD-MN2BD122J	J	AA	1.2 kohms, 1/8W
R43	VRD-MN2BD101J	J	AA	100 ohm, 1/8W
R44	VRD-ST2CD123J	J	AA	12 kohms, 1/6W
R45,46	VRD-MN2BD471J	J	AA	470 ohms, 1/8W
R47	VRD-MN2BD101J	J	AA	100 ohm, 1/8W
R49	VRD-ST2EE1R0J	J	AA	1 ohm, 1/4W
R101,102	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R103,104	VRD-MN2BD222J	J	AA	2.2 kohms, 1/8W
R105	VRD-MN2BD332J	J	AA	3.3 kohms, 1/8W
R106	VRD-ST2CD332J	J	AA	3.3 kohms, 1/6W
R107,108	VRD-MN2BD473J	J	AA	47 kohms, 1/8W
R109,110	VRD-ST2CD472J	J	AA	4.7 kohms, 1/6W
R111,112	VRD-MN2BD153J	J	AA	15 kohms, 1/8W
R113,114	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R115	VRD-MN2BD472J	J	AA	4.7 kohms, 1/8W
R117,118	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R119,120	VRD-ST2CD560J	J	AA	56 ohms, 1/6W
R121,122	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
R123,124	VRD-MN2BD392J	J	AA	3.9 kohms, 1/8W
R125,126	VRD-MN2BD562J	J	AA	5.6 kohms, 1/8W
R131,132	VRD-MN2BD333J	J	AA	33 kohms, 1/8W
R134	VRD-ST2CD683J	J	AA	68 kohms, 1/6W
R135	VRD-MN2BD392J	J	AA	3.9 kohms, 1/8W
R136	VRD-ST2CD392J	J	AA	3.9 kohms, 1/6W
R137,138	VRD-MN2BD682J	J	AA	6.8 kohms, 1/8W
R139,140	VRD-MN2BD152J	J	AA	1.5 kohms, 1/8W
R141,142	VRD-MN2BD101J	J	AA	100 ohm, 1/8W
R145,146	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R153,154	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R155	VRD-ST2EE151J	J	AA	150 ohms, 1/4W
R156,157	VRD-ST2CD224J	J	AA	220 kohms, 1/6W
R158	VRD-ST2EE221J	J	AA	220 ohms, 1/4W
R160	VRD-RT2HD820J	J	AA	82 ohms, 1/2W
R162	VRD-MN2BD473J	J	AA	47 kohms, 1/8W
R164	VRD-MN2BD472J	J	AA	4.7 kohms, 1/8W
R166	VRD-MN2BD223J	J	AA	22 kohms, 1/8W
R167	VRD-MN2BD473J	J	AA	47 kohms, 1/8W
R168	VRD-ST2CD4R7J	J	AA	4.7 ohms, 1/6W
R302	VRD-MN2BD100J	J	AA	10 ohm, 1/8W
R309	VRD-ST2CD103J	J	AA	10 kohm, 1/6W
R311	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
R313	VRD-MN2BD333J	J	AA	33 kohms, 1/8W
R314	VRD-ST2CD220J	J	AA	22 ohms, 1/6W
R316	VRD-MN2BD472J	J	AA	4.7 kohms, 1/8W
R322	VRD-MN2BD681J	J	AA	680 ohms, 1/8W
R323	VRD-MN2BD683J	J	AA	68 kohms, 1/8W
R325	VRD-MN2BD473J	J	AA	47 kohms, 1/8W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
R326	VRD-MN2BD820J	J	AA	82 ohms, 1/8W
R327	VRD-MN2BD330J	J	AA	33 ohms, 1/8W
R336	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R350	VRD-MN2BD272J	J	AA	2.7 kohms, 1/8W
R351	VRD-MN2BD562J	J	AA	5.6 kohms, 1/8W
R352	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R353	VRD-MN2BD271J	J	AA	270 ohms, 1/8W
R355	VRD-MN2BD332J	J	AA	3.3 kohms, 1/8W
R356	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R357	VRD-ST2CD474J	J	AA	470 kohms, 1/6W
R358	VRD-ST2CD392J	J	AA	3.9 kohms, 1/6W
R359	VRD-MN2BD182J	J	AA	1.8 kohms, 1/8W
R360	VRD-MN2BD472J	J	AA	4.7 kohms, 1/8W
R361~365	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R372~374	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R375	VRD-ST2CD471J	J	AA	470 ohms, 1/6W
R376	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R377	VRD-MN2BD473J	J	AA	47 kohms, 1/8W
R378	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R379	VRD-MN2BD222J	J	AA	2.2 kohms, 1/8W
R380	VRD-MN2BD152J	J	AA	1.5 kohms, 1/8W
R381	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R382	VRD-ST2EE151J	J	AA	150 ohms, 1/4W
R383	VRD-MN2BD562J	J	AA	5.6 kohms, 1/8W
R384	VRD-ST2CD562J	J	AA	5.6 kohms, 1/6W
R385	VRD-MN2BD562J	J	AA	5.6 kohms, 1/8W
R386	VRD-ST2CD223J	J	AA	22 kohms, 1/6W
R387	VRD-ST2CD562J	J	AA	5.6 kohms, 1/6W
R388	VRD-MN2BD392J	J	AA	3.9 kohms, 1/8W
R391,392	VRD-ST2EE271J	J	AA	270 ohms, 1/4W
R393	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R395	VRD-MN2BD473J	J	AA	47 kohms, 1/8W
R601~603	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R605,606	VRD-MN2BD392J	J	AA	3.9 kohms, 1/8W
R607,608	VRD-ST2CD103J	J	AA	10 kohm, 1/6W
R609,610	VRD-MN2BD331J	J	AA	330 ohms, 1/8W
R611,612	VRD-MN2BD392J	J	AA	3.9 kohms, 1/8W
R613,614	VRD-MN2BD331J	J	AA	330 ohms, 1/8W
R615,616	VRD-MN2BD222J	J	AA	2.2 kohms, 1/8W
R617,618	VRD-MN2BD182J	J	AA	1.8 kohms, 1/8W
R619,620	VRD-MN2BD223J	J	AA	22 kohms, 1/8W
R621,622	VRD-MN2BD222J	J	AA	2.2 kohms, 1/8W
R631,632	VRD-ST2CD332J	J	AA	3.3 kohms, 1/6W
R633,634	VRD-MN2BD153J	J	AA	15 kohms, 1/8W
R637,638	VRD-MN2BD474J	J	AA	470 kohms, 1/8W
R700	VRD-ST2CD103J	J	AA	10 kohm, 1/6W
R701	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
R702	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R703	VRD-ST2CD103J	J	AA	10 kohm, 1/6W
R704	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
R705	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R714	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R716	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
R717,718	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R719	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R720	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R721	VRD-ST2CD472J	J	AA	4.7 kohms, 1/6W
R724	VRD-ST2CD330J	J	AA	33 ohms, 1/6W
R727~729	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R731~733	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
R736,737	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R738,739	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R741,742	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R743	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R744,745	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R746	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R747	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R748	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R749	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R751	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R752	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R753	VRD-MN2BD182J	J	AA	1.8 kohms, 1/8W
R754~756	VRD-ST2CD222J	J	AA	2.2 kohms, 1/6W
R757	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R758~762	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R763~765	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R766~768	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R769~773	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R774	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R775~777	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R778	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R779~781	VRD-ST2CD102J	J	AA	1 kohm, 1/6W

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R782~791	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
R795	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
R796	VRD-ST2CD473J	J	AA	47 kohms, 1/6W
R797	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
R799	VRD-MN2BD101J	J	AA	100 ohm, 1/8W
R801	VRD-ST2CD222J	J	AA	2.2 kohms, 1/6W
R802	VRD-ST2EE100J	J	AA	10 ohm, 1/4W
R803	VRD-ST2CD123J	J	AA	12 kohms, 1/6W
R804	VRD-ST2CD473J	J	AA	47 kohms, 1/6W
R805	VRD-ST2EE223J	J	AA	22 kohms, 1/4W
R806	VRS-VV3DA681J	J	AC	680 ohms, 2W
R807	VRD-ST2CD473J	J	AA	47 kohms, 1/6W
R814	VRD-ST2CD224J	J	AA	220 kohms, 1/6W
R819,820	VRD-ST2EE223J	J	AA	22 kohms, 1/4W
R821,822	VRD-ST2EE470J	J	AA	47 ohms, 1/4W
R850	VRD-RT2HD3R3J	J	AA	3.3 ohms, 1/2W
R852	VRD-ST2EE223J	J	AA	22 kohms, 1/4W
R853	VRD-ST2CD223J	J	AA	22 kohms, 1/6W
R854	VRD-ST2CD103J	J	AA	10 kohm, 1/6W
R855	VRD-RT2HD3R3J	J	AA	3.3 ohms, 1/2W
R856	VRD-ST2EE561J	J	AA	560 ohms, 1/4W
△ R901	VRG-ST2EC101J	J	AB	100 ohm, 1/4W, Fusible
R902	VRD-ST2CD223J	J	AA	22 kohms, 1/6W
R903,904	VRD-ST2CD563J	J	AA	56 kohms, 1/6W
R906,907	VRD-ST2CD821J	J	AA	820 ohms, 1/6W
R908,909	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
△ R910	VRG-ST2EC101J	J	AB	100 ohm, 1/4W, Fusible
R911,912	VRN-VV3AAR10J	J	AB	0.1 ohm, 1W
R913,914	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R915,916	VRD-ST2CD562J	J	AA	5.6 kohms, 1/6W
R917,918	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R919~921	VRD-ST2CD563J	J	AA	56 kohms, 1/6W
R922,923	VRD-RT2HD4R7J	J	AA	4.7 ohms, 1/2W
△ R924,925	VRG-ST2EC101J	J	AB	100 ohm, 1/4W, Fusible
R926	VRD-ST2CD223J	J	AA	22 kohms, 1/6W
R927,928	VRD-ST2CD563J	J	AA	56 kohms, 1/6W
R929,930	VRD-ST2CD821J	J	AA	820 ohms, 1/6W
R931,932	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R933,934	VRN-VV3AAR10J	J	AB	0.1 ohm, 1W
R935,936	VRD-ST2CD153J	J	AA	15 kohms, 1/6W
R937,938	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R939~941	VRD-ST2CD563J	J	AA	56 kohms, 1/6W
R942,943	VRD-RT2HD4R7J	J	AA	4.7 ohms, 1/2W
R944~947	VRD-RT2HD331J	J	AA	330 ohms, 1/2W
R948~951	VRD-ST2CD222J	J	AA	2.2 kohms, 1/6W
R952	VRD-ST2CD153J	J	AA	15 kohms, 1/6W
R953	VRD-ST2CD683J	J	AA	68 kohms, 1/6W
R954	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R955	VRD-RT2HD100J	J	AA	10 ohm, 1/2W
R956,957	VRD-ST2CD183J	J	AA	18 kohms, 1/6W
R958,959	VRD-ST2CD822J	J	AA	8.2 kohms, 1/6W
R960,961	VRD-ST2CD152J	J	AA	1.5 kohms, 1/6W
R962,963	VRD-ST2CD472J	J	AA	4.7 kohms, 1/6W
R964,965	VRD-ST2CD183J	J	AA	18 kohms, 1/6W
R966,967	VRD-ST2EE331J	J	AA	330 ohms, 1/4W
R968,969	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R970,971	VRD-ST2CD683J	J	AA	68 kohms, 1/6W
R972,973	VRD-ST2CD104J	J	AA	100 kohm, 1/6W
R974,975	VRD-ST2CD683J	J	AA	68 kohms, 1/6W
R976,977	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R979	VRD-ST2CD102J	J	AA	1 kohm, 1/6W
R980	VRD-ST2CD103J	J	AA	10 kohm, 1/6W
R983~986	VRS-VV3DAR22J	J	AB	0.22 ohms, 2W
R993~996	VRS-VV3DAR22J	J	AB	0.22 ohms, 2W
R997	VRD-ST2CD101J	J	AA	100 ohm, 1/6W
RD01	VRD-MN2BD681J	J	AA	680 ohms, 1/8W
RD02	VRD-MN2BD821J	J	AA	820 ohms, 1/8W
RD03	VRD-MN2BD222J	J	AA	2.2 kohms, 1/8W
RD04	VRD-ST2CD272J	J	AA	2.7 kohms, 1/6W
RD05	VRD-MN2BD123J	J	AA	12 kohms, 1/8W
RD06	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
RD07	VRD-MN2BD183J	J	AA	18 kohms, 1/8W
RD08	VRD-MN2BD333J	J	AA	33 kohms, 1/8W
RD09	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
RD13	VRD-ST2CD681J	J	AA	680 ohms, 1/6W
RD14	VRD-MN2BD821J	J	AA	820 ohms, 1/8W
RD25	VRD-MN2BD681J	J	AA	680 ohms, 1/8W
RD26	VRD-MN2BD821J	J	AA	820 ohms, 1/8W
RD27	VRD-MN2BD102J	J	AA	1 kohm, 1/8W
RD28	VRD-MN2BD152J	J	AA	1.5 kohms, 1/8W
RD29	VRD-MN2BD222J	J	AA	2.2 kohms, 1/8W
RD30	VRD-MN2BD272J	J	AA	2.7 kohms, 1/8W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
RD31	VRD-MN2BD392J	J	AA	3.9 kohms, 1/8W
RD32	VRD-MN2BD562J	J	AA	5.6 kohms, 1/8W
RD33	VRD-MN2BD103J	J	AA	10 kohm, 1/8W
RD34	VRD-MN2BD153J	J	AA	15 kohms, 1/8W
RD35	VRD-MN2BD333J	J	AA	33 kohms, 1/8W
RD36	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
RD701,702	VRD-MN2BD821J	J	AA	820 ohms, 1/8W
RS701	VRD-MN2BD333J	J	AA	33 kohms, 1/8W
RS702	VRD-MN2BD123J	J	AA	12 kohms, 1/8W
RS703	VRD-MN2BD474J	J	AA	470 kohms, 1/8W
RS704	VRD-MN2BD224J	J	AA	220 kohms, 1/8W
RS705	VRD-MN2BD473J	J	AA	47 kohms, 1/8W
RS706,707	VRD-MN2BD225J	J	AA	2.2 Mohms, 1/8W
RS708	VRD-ST2EE101J	J	AA	100 ohm, 1/4W
RS709	VRD-MN2BD224J	J	AA	220 kohms, 1/8W
RS710,711	VRD-MN2BD154J	J	AA	150 kohms, 1/8W
RS712	VRD-MN2BD224J	J	AA	220 kohms, 1/8W
RS713,714	VRD-MN2BD331J	J	AA	330 ohms, 1/8W
RS715	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
RS716	VRD-MN2BD394J	J	AA	390 kohms, 1/8W
RS717	VRD-MN2BD683J	J	AA	68 kohms, 1/8W
RS718	VRD-MN2BD123J	J	AA	12 kohms, 1/8W
RS719	VRD-MN2BD683J	J	AA	68 kohms, 1/8W
RS720	VRD-MN2BD123J	J	AA	12 kohms, 1/8W
RS721,722	VRD-MN2BD224J	J	AA	220 kohms, 1/8W
RS723	VRD-ST2CD104J	J	AA	100 kohm, 1/6W
RS724	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
RS725	VRD-MN2BD394J	J	AA	390 kohms, 1/8W
RS726	VRD-MN2BD104J	J	AA	100 kohm, 1/8W
RS727	VRD-ST2EE331J	J	AA	330 ohms, 1/4W
RS728	VRD-MN2BD394J	J	AA	390 kohms, 1/8W

OTHER CIRCUITRY PARTS

BI4/CNS4	QCNCWN1572AWZZ	J	AF	Connector Ass'y, 6/6Pin
BI11/CNS11	QCNCWN1842AWZZ	J	AG	Connector Ass'y, 6/6Pin
BI703/CNS703	QCNCWN1834AWZZ	J	AK	Connector Ass'y, 9/9Pin
BI901/CNS901	QCNCWN1905AWZZ	J	AF	Connector Ass'y, 6/6Pin
BI903/CNS903	QCNCWN1839AWZZ	J	AG	Connector Ass'y, 7/7Pin
CNP1	QCNCM704GAWZZ	J	AC	Plug, 7Pin
CNP2	QCNCM704HAWZZ	J	AC	Plug, 8Pin
CNP3	92LCONE6P53253	J	AC	Plug, 6Pin
CNP4	QCNCM705FAFZZ	J	AB	Plug, 6Pin
CNP7	92LCONE6P53254	J	AC	Plug, 6Pin
CNP8	92LCONE9P53254	J	AD	Plug, 9Pin
CNP101	QCNCM705CAFZZ	J	AA	Plug, 3Pin
CNP102	QCNCM705GAFZZ	J	AB	Plug, 7Pin
CNP301	92LCONE3P5268	J	AC	Plug, 3Pin
CNP601	QCNCWZX23AWZZ	J	AD	Socket, 23Pin
CNP701	QCNCWFZ23AWZZ	J	AK	Plug, 23Pin
CNP702	QCNCWZY08AWZZ	J	AC	Socket
CNP705	92LCONE5P52287	J	AC	Socket, 5Pin
CNP803	92LCONE2P53253	J	AB	Plug, 2Pin
CNP901	92LCONE5P5267	J		Plug, 5Pin
CNP902	QCNCM010KAWZZ	J	AC	Plug, 10Pin
CNP903	92LCONE7P53253	J	AC	Plug, 7Pin
CNS1A/B	QCNCWN1537AWZZ	J	AG	Connector Ass'y, 7/7Pin
CNS2A/B	QCNCWN1538AWZZ	J	AG	Connector Ass'y, 8/8Pin
CNS3A/B	QCNCWN1539AWZZ	J	AE	Connector Ass'y, 6/6Pin
CNS803	QCNCWN1841AWZZ	J	AD	Connector, 2Pin
CNS902	QCNCW010KAWZZ	J	AD	Connector, 10Pin
△ F801	QFS-D402DAWNI	J	AC	Fuse, 4A/125V
△ F802	QFS-D402DAWNI	J	AC	Fuse, 4A/125V
△ F803,804	QFS-D502DAWNI	J	AC	Fuse, 5A/125V
△ F805	QFS-D202DAWNI	J		Fuse, 2A/125V
△ F806	QFS-D202DAWNI	J		Fuse, 2A/125V
FC701	QCNCWN1837AWZZ	J	AG	Flat Cable, 23Pin
FC702	QCNCWN1838AWZZ	J	AD	Flat Cable, 8Pin
FL701	VVKBJ744GNK-1	J	BD	FL Display
FW801	QCNCWN1836AWZZ	J	AD	Flat Wire, 5Pin
JK601	QSOCJ0219AWZZ	J	AD	Jack, Video/AUX
JK701	QJAKM0010AWZZ	J	AF	Jack, Headphones
JOG701	QSW-Z0014AWZZ	J	AF	Switch, Push Type [Jog, Volume]
LG903	QLUGP0001AWZZ	J	AC	Lug
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]
M3	92LTWMEN7E6Y	J	AR	Motor with Worm Pulley [T/T Up/Down Loading]
M901	RMOTV0027AWZZ	J	AM	Motor, Air Cooling Fan
RX701	VHLN63H380A-1	J	AK	Remote Sensor, N63H380A
RY901,902	RRLYD0014AWZZ	J	AK	Relay

CD-BA300

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SO901	QTANA0810AWZZ	J	AF	Terminal,Speaker	203	92LCAB3552CASY	J		Side Panel Ass'y,Right
SW1	SWMPU10780MLB	J	AH	Switch,Push Type [Open/Close]	203- 1	—	J	—	Side Panel,Right (Not Replacement Item)
SW2	SWMPU11470MLB	J	AE	Switch,Push Type [Clamp]	203- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg
SW3	SWMPU11470MLB	J	AE	Switch,Push Type [Disc Number]	204	GCAB-1192AWSA	J	AN	Top Cabinet
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pick Up In]	205	GCOVA1394AWSA	J	AH	Cover,Remote Control Sensor
SW701	92LSWICHT1663T	J	AC	Switch,Key Type [Power]	206	GCOVA1338AWSA	J		Cover,CD Tray
SW702	92LSWICHT1663T	J	AC	Switch,Key Type [Clock]	207	GITAR0654AWSA	J	AM	Rear Panel [For U.S.A./Central America]
SW703	92LSWICHT1663T	J	AC	Switch,Key Type [Timer]	207	GITAR0677AWSA	J		Rear Panel [For Mexico]
SW709	92LSWICHT1663T	J	AC	Switch,Key Type [Disc 1]	207	GITAR0678AWSA	J		Rear Panel [For Canada]
SW710	92LSWICHT1663T	J	AC	Switch,Key Type [Disc 2]	208	JKNBK0084AWSA	J	AE	Knob,Volume
SW711	92LSWICHT1663T	J	AC	Switch,Key Type [Disc 3]	209	LANGK0236AWFW	J	AE	Bracket,Main Heat Sink,Left
SW712	92LSWICHT1663T	J	AC	Switch,Key Type [Disc Skip]	210	LANGK0237AWFW	J	AE	Bracket,Main Heat Sink,Right
SW713	92LSWICHT1663T	J	AC	Switch,Key Type [Open/Close]	211	LANGK0239AWFW	J	AF	Bracket,Fan Support
SW714	92LSWICHT1663T	J	AC	Switch,Key Type [Dimmer]	212	LBSHC0005AWZZ	J	AD	Bushing,AC Power Supply Cord
SW715	92LSWICHT1663T	J	AC	Switch,Key Type [X-Bass]	213	LCHSM0120AWFW	J	AQ	Chassis,Main
SW716	92LSWICHT1663T	J	AC	Switch,Key Type [Equalizer]	214	LHLDZ1318AWZZ	J	AE	Holder,FL Display
SW722	92LSWICHT1663T	J	AC	Switch,Key Type [CD]	215	MSPRC0029AWFJ	J	AB	Spring,Cassette Lock
SW723	92LSWICHT1663T	J	AC	Switch,Key Type [Tape]	216	MSPRD0092AWFJ	J	AB	Spring,Cassette [Tape 1]
SW724	92LSWICHT1663T	J	AC	Switch,Key Type [Tuning Down]	217	MSPRD0093AWFJ	J	AB	Spring,Cassette [Tape 2]
SW725	92LSWICHT1663T	J	AC	Switch,Key Type [Memory Set]	218	NFANP0001AWZZ	J	AD	Rotary Fan
SW726	92LSWICHT1663T	J	AC	Switch,Key Type [Rewind]	219	PCUSG0022AWZZ	J	AB	Cushion,Leg
SW727	92LSWICHT1663T	J	AC	Switch,Key Type [Fast Forward]	220	PRDAR0182AWFW	J	AX	Heat Sink,Main
SW728	92LSWICHT1663T	J	AC	Switch,Key Type [Play]	221	PRDAR0184AWFW	J		Heat Sink,Sub
SW729	92LSWICHT1663T	J	AC	Switch,Key Type [Stop]	△ 222	QACCD0022AWZZ	J	AM	AC Power Supply Cord
SW731	92LSWICHT1663T	J	AC	Switch,Key Type [REC/Pause]	223	QCNWN1844AWZZ	J	AC	Lug Wire
SW732	92LSWICHT1663T	J	AC	Switch,Key Type [Tuning Up]	△ 224	QFSDH0001AWZZ	J	AB	Holder,Fuse
SW733	92LSWICHT1663T	J	AC	Switch,Key Type [Video]	225	92LBE231616	J	AD	Belt
SW734	92LSWICHT1663T	J	AC	Switch,Key Type [Tuner]	226	92LCSPR1431C	J	AA	Spring,Ring
CD MECHANISM PARTS					227	92LEVA0330702	J	AD	Velvet Carpet,Chassis
301	NGERH0011AWZZ	J	AC	Gear,Middle	228	92LMAG0104302	J	AE	Magnet
302	NGERH0012AWZZ	J	AC	Gear,Drive	229	92LMT0304302	J	AB	Plate,Metal
303	MLEVPO080AWZZ	J	AC	Rail,Guide	230	92LNBAND1318A	J	AA	Nylon Band,80mm
304	NSFTM0020AWFW	J	AD	Shaft,Guide	231	92LNM0305401	J	AB	Velvet Carpet
305	92LM-CUSN1524A	J	AC	Cushion	232	92LPT0303002	J	AB	Roller
△ 306	92LHPC1LXASY	J	BD	Pickup Unit Ass'y	233	92LPT0304303	J	AB	Lever,Stop
306- 1	—	—		Pickup Unit (Not Replacement Item)	234	92LPT0304304	J	AB	Stopper
306- 2	NGERR0043AFZZ	J	AC	Gear,Rack	235	92LPT0304305	J	AE	Lever,Lock
306- 3	MSPRC0961AFZZ	J	AA	Spring,Rack	236	92LPT0304306	J	AG	Stabilizer
701	XBSSD26P06000	J	AA	Screw,ø2.6×6mm	237	92LPT0304307	J	AC	Support,Cam
702	XHBSD20P05000	J	AA	Screw,ø2×5mm	238	92LPT0304308	J	AB	Lock Gear Pin
703	XBBSD20P03000	J	AA	Screw,ø2×3mm	239	92LPT0304309	J	AB	Cap,Pulley Stopper
704	LX-WZ1070AFZZ	J	AA	Washer,ø1.5×3.8×0.25mm	240	92LPT0305413	J	AG	Cam Gear Lower
M1	92LMTR2790CASY	J	BB	Motor with Chassis [Spindle]	241	92LPT0309506	J	AD	Gear,Turtable Drive
M2	92LMTR1854BASY	J	AP	Motor with Gear [Sled]	242	92LPT0309507	J	AD	Gear,Open/Close Drive
SW4	QSW-F9001AW01	J	AD	Switch,Leaf Type [Pickup In]	243	92LPT0309508	J	AD	Gear,Planet
CABINET PARTS					244	92LPT0309509	J	AD	Gear,Drive
201	92LCAB3552AASY	J		Front Cabinet Ass'y	245	92LPT0309510	J	AE	Gear,Pulley
201- 1	—	—		Front Panel (Not Replacement Item)	246	92LPT0309511	J	AD	Gear,Middle
201- 2	GDORF0097AWSA	J	AE	Holder,Cassette [Tape 1]	247	92LPT0311101	J	AB	Lever,Clamp
201- 3	GDORF0098AWSA	J	AE	Holder,Cassette [Tape 2]	248	92LPT0311102	J	AC	Lever,Disc
201- 4	GCOVA1352AWSA	J	AH	Cover,Cassette [Tape 1]	249	92LPT0312005	J	AL	Gear,Cam
201- 5	GCOVA1353AWSA	J	AH	Cover,Cassette [Tape 2]	250	92LPT0320201	J	AE	Support,Stabilizer
201- 6	HDECQ0670AWSA	J	AE	Panel,Cassette [Tape 1]	251	92LPT0330301	J	AU	Chassis,Loading
201- 7	HDECQ0671AWSA	J	AE	Panel,Cassette [Tape 2]	252	92LPT0330803	J	AK	CD,Chassis
201- 8	HDECQ0672AWSA	J	AK	Panel,Amp.	253	92LPT0331003	J	AT	Shassis,Slide
201- 9	JKNBZ0765AWSA	J	AE	Button,Power	254	92LPT0331105	J	AM	Turntable
201-10	JKNBZ0766AWSA	J	AG	Button,Dimmer/Tuning	255	92LSP0304303	J	AB	Spring,Stopper
201-11	JKNBZ0768AWSA	J	AE	Button,Function	256	92LSP0304305	J	AB	Spring,Lock
201-12	HDECQ0674AWSA	J	AE	Volume Ring	257	92LSP0304306	J	AB	Spring,Lock Gear
201-13	JKNBZ0770AWSA	J	AF	Button,Disc Control	258	KMECB0018AWZZ	J	BE	Tape Mechanism Ass'y
201-14	JKNBZ0771AWSA	J	AG	Button,Center Operation	258- 1	92PF513-860	J		Head Plate Block [Tape 2]
201-15	MLIFP0008AWZZ	J	AD	Damper	258- 2	92PF525-338	J		Motor with Pulley [Tape]
201-16	JKNBZ0773AWSA	J	AG	Button,X-Bass/Equalizer	258- 3	92PF567-649	J		Tape Mechanism PWB Ass'y
201-17	92LBADGE1671A	J	AC	Badge,SHARP	258- 4	92PFF19U-12	J		Belt,Main [Tape 2]
201-18	GCOVA1339AWSA	J	AB	Cover,LED,Power	258- 5	92PF514-135	J	AL	Pinch Roller
201-19	GCOVA1340AWSA	J	AB	Cover,LED,A	258- 6	92PF19S-31	J		Belt,FF/REW [Tape 2]
201-20	GCOVA1341AWSA	J	AB	Cover,LED,B	258- 7	92PFF19N-11	J		Belt,Main [Tape 1]
201-21	LHLDZ1319AWZZ	J	AE	Holder,Button Block	258- 8	92PF522-061	J		Clutch Ass'y Block [Tape 1]
201-22	MLOKC0006AWZZ	J	AB	Lock Lever,Cassette [Tape 1]	258- 9	92PFF19S-52	J		Belt,FF/REW [Tape 1]
201-23	MLOKC0007AWZZ	J	AB	Lock Lever,Cassette [Tape 2]	258-10	92PF513-861	J		Head Plate Block [Tape 1]
201-24	LHLDZ1328AWZZ	J	AC	Holder,Cassette Lock	258-11	92PF522-063	J		Clutch Ass'y Block [Tape 2]
202	92LCAB3552BASY	J		Side Panel Ass'y,Left	601	LX-BZ2222AXZZ	J	AB	Screw,Special
202- 1	—	J	—	Side Panel,Left (Not Replacement Item)	603	LX-JZ0010AFFD	J	AA	Screw,ø3×10mm
202- 2	PCUSG0022AWZZ	J	AB	Cushion,Leg	604	LX-LZ0006AWZZ	J	AC	Push Rivet
					605	XBBSD20P04000	J	AA	Screw,ø2×4mm
					606	XEBSD30P10000	J	AA	Screw,ø3×10mm
					607	XEBSD30P12000	J	AA	Screw,ø3×12mm
					608	XESSD30P10000	J	AA	Screw,ø3×10mm
					609	XHBSD30P06000	J	AA	Screw,ø3×6mm
					610	XJBSD30P10000	J	AA	Screw,ø3×10mm

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
611	XJBSD30P14000	J	AA	Screw,ø3×14mm
612	XJBSD30P10000	J	AA	Screw,ø3×10mm
613	XJSSD30P10000	J	AA	Screw,ø3×10mm
614	92LSC0308MBZI	J	AB	Screw,ø3×8mm
615	92LSC0308RBZI	J		Screw,ø3×8mm
616	XHBSD40P08000	J	AA	Screw,ø4×8mm
617	LX-LZ0014AWZZ	J		PWB Spacer

PACKING PARTS (Except for U.S.A.)

SPAKA0292AWZZ	J		Packing Add.
SPAKC1124AWZZ	J		Packing Case [For U.S.A.]
SPAKC1125AWZZ	J		Packing Case [For Mexico/Central America]
SPAKC1126AWZZ	J		Packing Case [For Canada]
SPAKP0032AWZZ	J	AF	Polyethylene Bag,Unit
SSAKA0007AWZZ	J	AB	Polyethylene Bag,Accessories

ACCESSORIES

QANTL0007AWZZ	J	AK	AM/FM Loop Antenna
TINSE0337AWZZ	J	AD	Operation Manual [For U.S.A./Central America]
TINSK0109AWZZ	J		Operation Manual [For Canada]
TINSZ0614AWZZ	J	AB	Quick Guide [For U.S.A.Only]
TINSZ0648AWZZ	J		Operation Manual [For Mexico]
TLABR1176AWZZ	J	AB	Label,Bar Code
TLABZ0848AWZZ	J	AC	Label,Feature,Tape 1
TLABZ0849AWZZ	J	AC	Label,Feature,Tape 2
RRMCG0264AWSA	J	AQ	Remote Control
Battery Lid,Remote Control			

P.W.B. ASSEMBLY (Not Replacement Item)

PWB-A	92LPWB3552MANS	J	—	Main
PWB-B1,2	92LPWB3552DPLS	J	—	Display/Headphone (Combined Ass'y)
PWB-C	92LPWB3552CDUS	J	—	CD Servo
PWB-D1~3	92LPWB3552PWRS	J	—	Power/Amp./Transformer (Combined Ass'y)
PWB-E	92LPC99C017	J	AE	CD Loading Motor (PWB Only)
PWB-F	92PF567-649	J	—	Tape Mechanism
PWB-G	QPWBF0027AWZZ	J	AD	CD Motor (PWB Only)

OTHER SERVICE PART

UDSKA0004AFZZ	J	AZ	CD Pickup Lens Cleaner
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CP-BA300**SPEAKER BOX PARTS**

901	HPNLS1021AWSA	J	AY	Front Panel,Left
901	HPNLS1022AWSA	J	AY	Front Panel,Right
902	CWAKP1046AWSA	J	AR	Net Frame Ass'y
903	GBOXS2003AWSA	J	BE	Speaker Box Ass'y,Right
903	GBOXS4003AWSA	J	BE	Speaker Box Ass'y,Left
904	CPNLS1023AWSA	J	AX	Sub Woofer Panel Ass'y,Left
904	CPNLS1027AWSA	J	AX	Sub Woofer Panel Ass'y,Right
905	PCUSS0049AWZZ	J	AD	Port Cushion
906	PCUSG0022AWZZ	J	AB	Foot Cushion
907	LHLDZ8001AWSA	J	AD	Catching Holder
908	QCNWN1834AWZZ	J	AK	Tweeter Cord (With Capacitor C1,2)
909	XJBSD40P20000	J	AA	Screw,ø4×20mm
910	XJBSD40P16000	J	AB	Screw,ø4×16mm
911	XJBSD30P10000	J	AA	Screw,ø3×10mm
912	XMBSD40P16000	J	AC	Screw,ø4×16mm
913	XMBSF40P20000	J	AC	Screw,ø4×20mm
914	PFLT-0046AWZZ	J	AC	Felt
915	TSPC-0821AWZZ	J	AC	Label,Specifications
916	QCNWN1912AWZZ	J		Sub Woofer Cord
917	QCNWN1835AWZZ	J		Woofer Cord
SP1,2	RSPA00009AW6T	J	AP	Tweeter
SP3,4	RSPA10008AW6S	J	AW	Woofer

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
SP5,6	RSPA10009AW6W	J	AZ	Sub Woofer

PACKING PARTS

SPAKA0294AWZZ	J		Packing Add.
SPAKZ0696AWZZ	J		Layer Pad
SSAKH0053AWZZ	J		Polyethylene Bag,Speaker

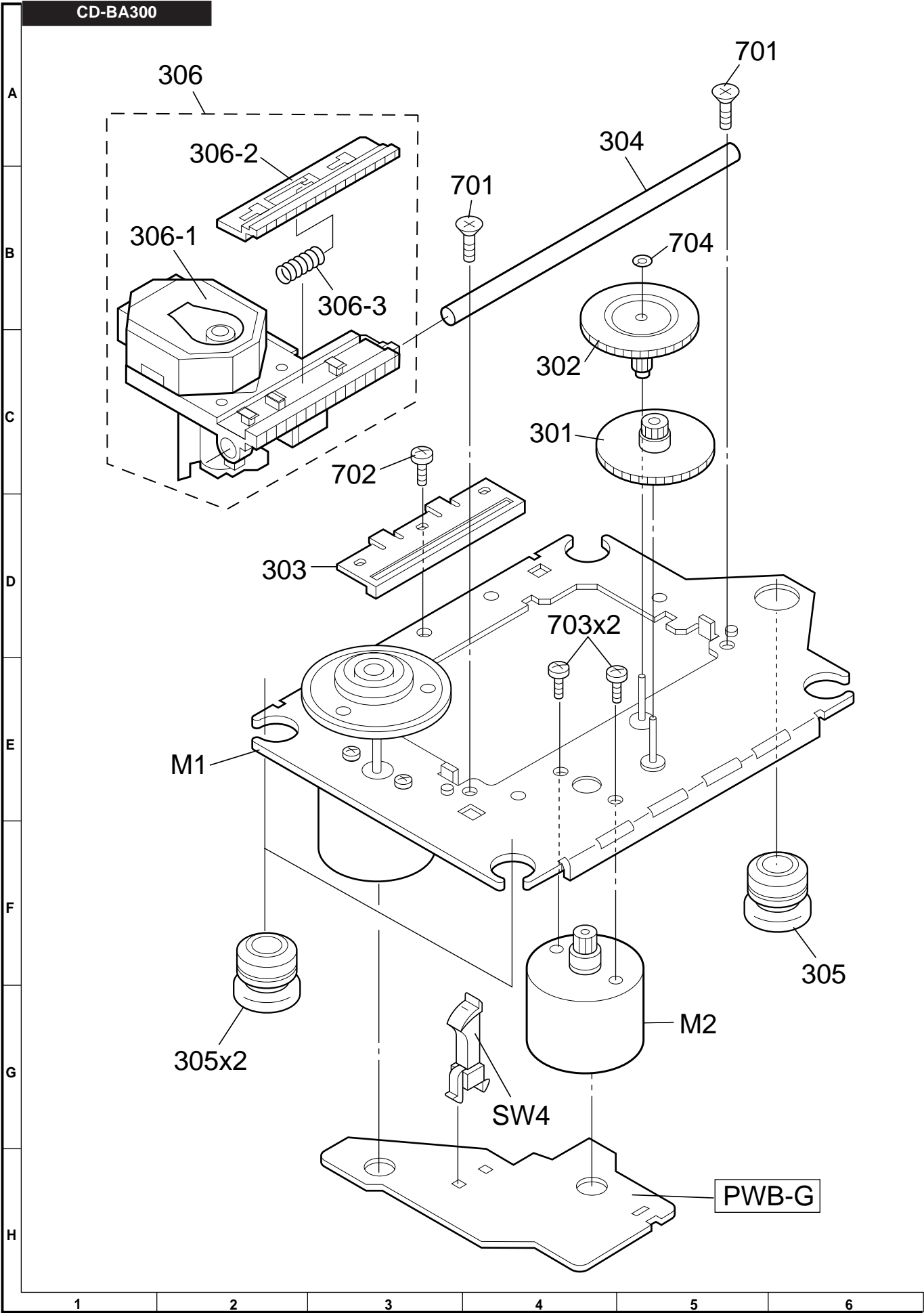
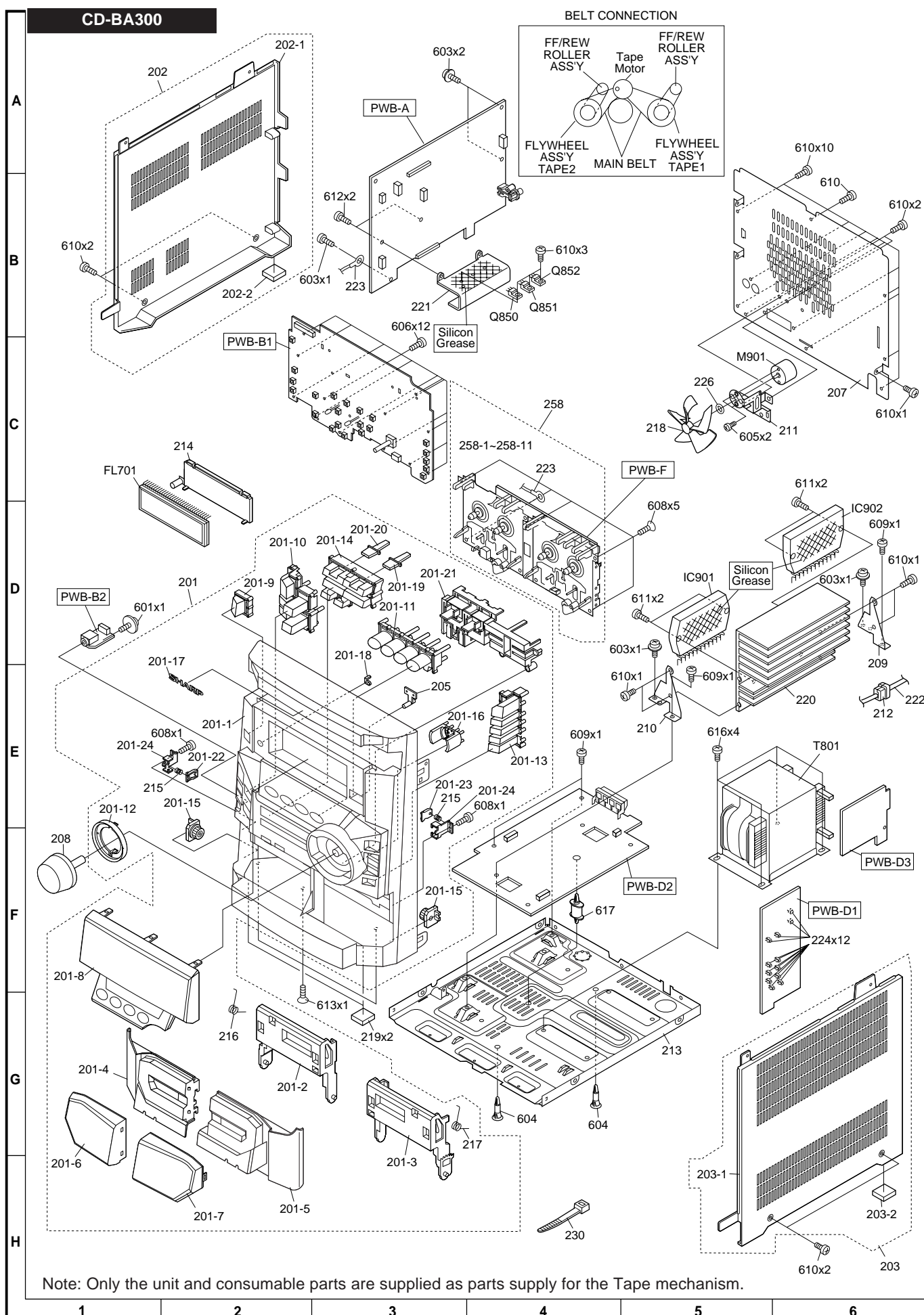


Figure 7 CD MECHANISM EXPLODED VIEW





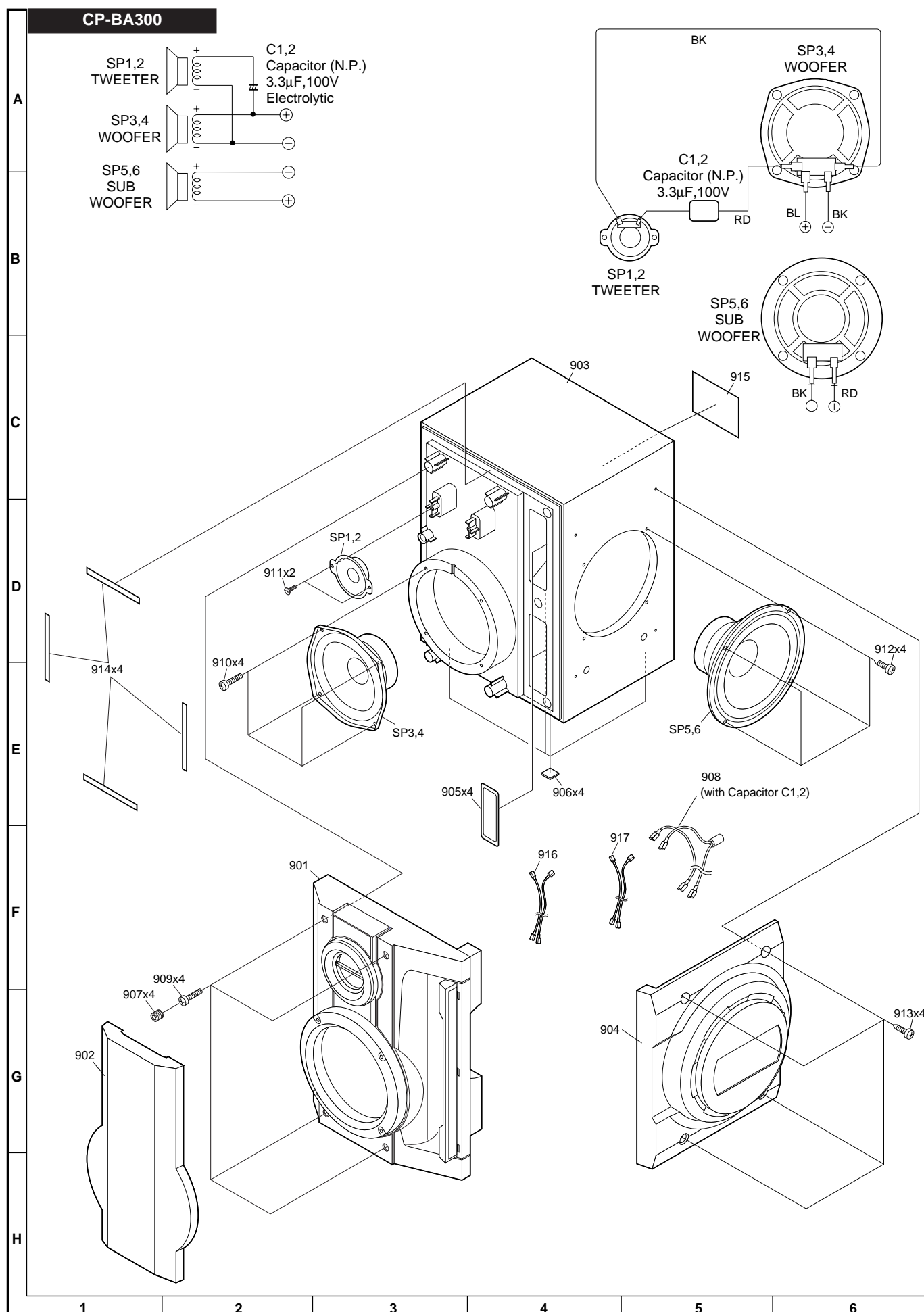


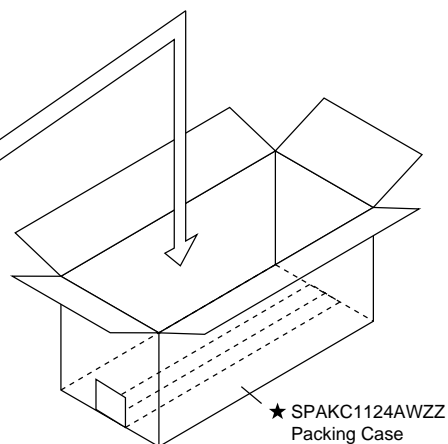
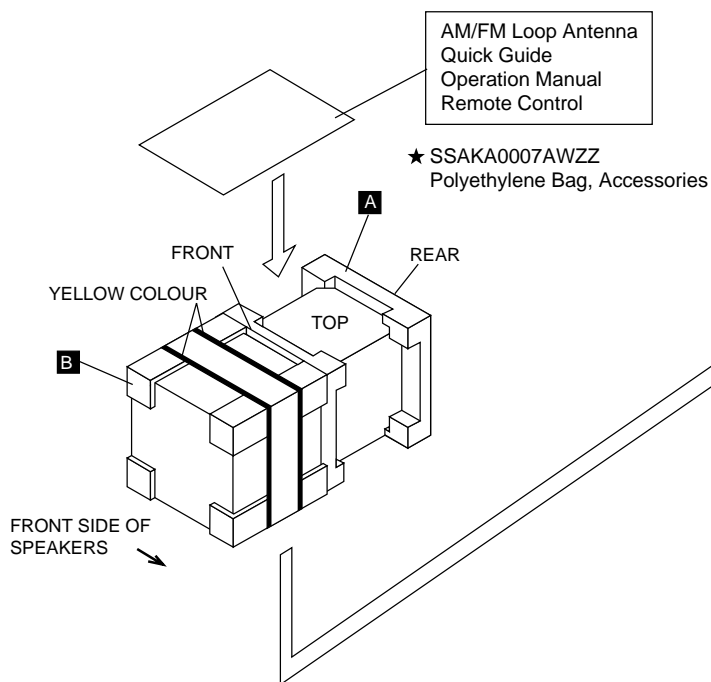
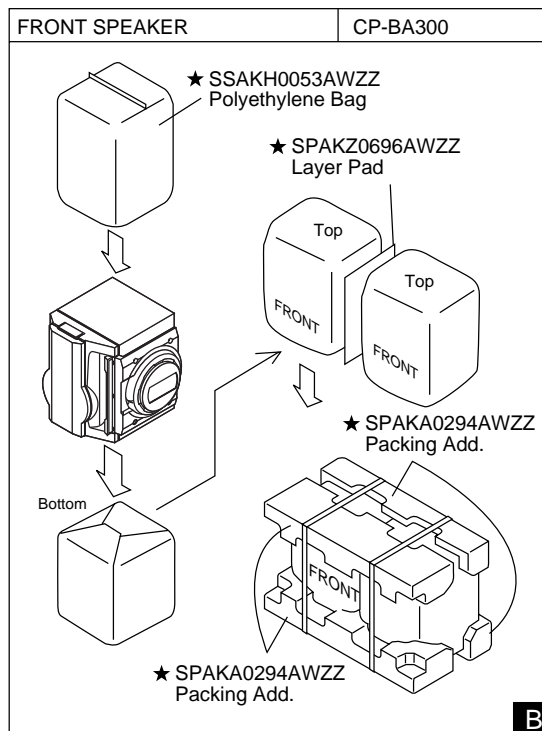
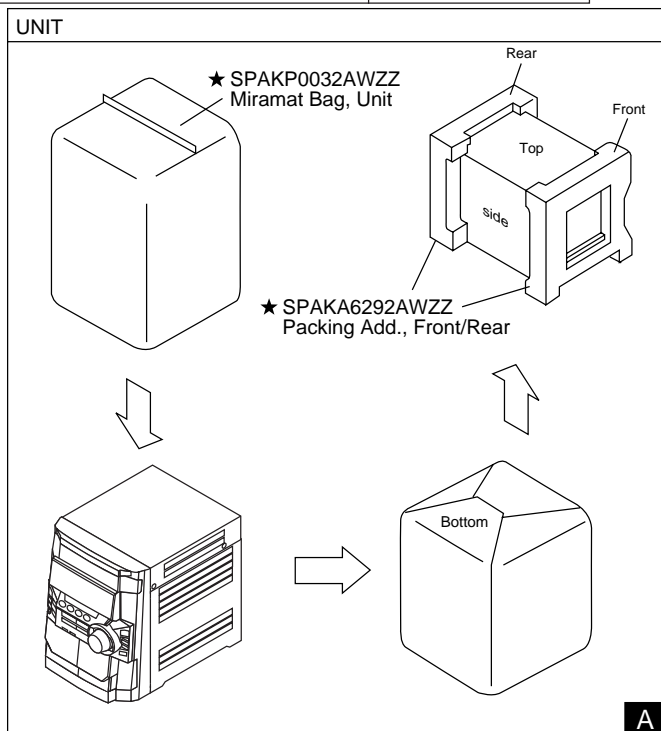
Figure 10 SPEAKER EXPLODED VIEW

PACKING OF THE SET (FOR U.S.A. ONLY)

Setting position of switches and knobs

Tape Mechanism

STOP



★Not Replacement Item

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